

## Alum Gives \$350M for Brain Research

### Largest Gift Ever Will Fund New Institute

By Frank Dabek  
EDITOR IN CHIEF

A new institute dedicated to brain research will open at MIT thanks to a donation of \$350M by alumnus Patrick J. McGovern, Jr. '59 and his wife Lore Harp McGovern.

The donation, to be distributed to MIT over 20 years and equivalent to approximately \$200M in today's dollars, tops the recent gift of \$100 million by Kenan E. Sahin '63 to become the largest donation ever to MIT.

Patrick McGovern, who graduated from MIT with a degree in the life sciences, said that his interest in the functioning of the brain goes back to his childhood. The present represents "the moment of opportunity" for brain research, he said.

"The tools are now available to make major advances," he said referring to new advances such as magnetic resonance imaging of the brain and powerful computing resources.

President Charles M. Vest said at a signing ceremony yesterday that understanding the human mind is "the great adventure of the 21st century."

#### Sharp to head new institute

Institute Professor Phillip A. Sharp has been chosen to head the new Institute.



President Charles M. Vest congratulates Patrick J. McGovern, Jr. '59 after the two, along with Lore Harp McGovern, inked an agreement that sends \$350M to MIT to found a new institute dedicated to the cognitive sciences.

Sixteen faculty members will work at the McGovern Institute for Brain Research (MIBR). Faculty appointments will be made in the interim period before the building housing them is built, Sharp said.

Sharp said that the new institute will benefit undergraduates and be "very much a part of the fabric of MIT."

"UROPs will be doing research in labs, faculty will all hold academ-

ic appointments in the department where they will teach," Sharp said.

The majority of the sixteen faculty will come from the Brain and Cognitive Sciences Department, said Mriganka Sur, head of the department of BCS. Ten of the 16 faculty will be new hires.

Sur said that the institute will primarily "focus on systems neuroscience" but will reach out to "include computation and molecu-

lar, genetic, and cognitive sciences."

The new center "represents a quantum leap for the department," Sur said.

#### Building to be near Med Center

The construction of the 85,000 square foot McGovern Institute will add to MIT's recent building spree.

Lydia S. Snover, assistant direc-

Brain Research, Page 19

## Galluccio Challenges Institute

By Aaron D. Mihalik  
ASSOCIATE FEATURES EDITOR

New Cambridge Mayor Anthony D. Galluccio expects MIT to do a great deal for its host city. The Insti-

tute, he says, should hire more Cambridge residents, provide technical job training, make payments in lieu of taxes, and invest in solving the city's housing shortage.

Galluccio, the youngest mayor to be elected under Cambridge's current system of government, is critical of MIT as an institution but claims a connection with students — there is an advantage to "being 32 years old, having gone away to college for four years, knowing what it's like to be a student with not much money in your pocket and being away from home," said Galluccio. "I think that I've had an experience that is identifiable with students. And I also think that just being a younger person in government means that [students and I] share a lot of similar interests."

Paul Parravano, the Co-Director of MIT's Office of Government and Community Relations, has worked

Galluccio, Page 7

## MIT Tacks Athletics Fee to Tuition

By Dana Levine  
ASSOCIATE NEWS EDITOR

At an open forum last night discussing the future of athletics at MIT, administrators indicated that next year's tuition will include an athletics fee.

When asked to comment on whether the MIT Corporation may include an athletics fee in next year's tuition, Athletics Central Administrator Richard L. Brewer said, "No, I won't deny that."

Athletics Director Richard Hill began the forum by making two important announcements relating to the addition of the athletics fee to tuition: the athletic card will be eliminated next year and the athletics department will receive substantial budgetary increases.

#### JV teams unlikely to be restored

Athletics administrators said that the budgetary increases would allow the department to support existing programs rather than adding new ones or restoring the recently eliminated Junior Varsity teams. "It really is a matter of bringing the department to sea level," Brewer said.

Assistant Director of Athletics for Sports Administration John A. Benedick said that the department cut Junior Varsity teams as a size control rather than a cost cutting measure. "The number that we saved on the JV sports was not a

number that would astound anyone," he said.

Associate Head of Athletics Candace L. Royer stated that it would be unlikely that Junior Varsity teams would be added back in the near future. "The new facility isn't going to address the field

space issues that we have. We just aren't going to be able to [add back JV teams] any time soon."

Another important issue on the table was the timetable for the construction of a new athletics facility

Athletics, Page 15



JAMES CAMP—THE TECH

Thomas F. Defrantz, assistant professor of music and theater arts, performed portions of a tap routine entitled "Monk's Mood" as part of this weekend's Black Performance Theory conference.



JAMES SNYDER—THE TECH

Jean Heiney, Senior Women's Administrator, answers questions on the future of athletics funding during the Athletics Forum last night in 10-250.



Actor Edward J. Olmos will give two lectures today.

Page 9



Comics

Page 10

FSILGs sponsor IAP and Spring Rush events.

Page 17

World & Nation ..... 2  
Opinion ..... 4  
Features ..... 7



# WORLD & NATION

## Diallo Case Prosecutor Says Cops Should Resign

NEWSDAY

NEW YORK

Bronx District Attorney Robert Johnson Monday called for the resignation of the four officers acquitted last week in the fatal shooting of Amadou Diallo.

"Their mistakes, their misjudgment, led to the violent and horrible death of an innocent person," Johnson said. "There have been some who said Robert Johnson should resign. I think someone who policed in the way these four officers policed that night, they should resign."

Johnson's remarks came during a wide-ranging discussion with reporters in which, buffeted by criticism of the case his office presented and calls for his resignation, he insisted his office handled the prosecution properly.

On the day of the verdict, police union President Patrick Lynch said the four officers — Kenneth Boss, Sean Carroll, Edward McMellon and Richard Murphy — should be reinstated.

Attorneys for the four officers could not be reached for comment Monday. The Police Department is reviewing the case.

## Gunmen Ambush, Kill Tijuana's Police Chief

LOS ANGELES TIMES

TIJUANA, MEXICO

In the latest example of the murderous violence that has gripped this border town, the municipal police chief was assassinated Sunday morning by gunmen who sprayed his car with more than 100 bullets, authorities said.

Municipal Police Chief Alfredo de la Torre Marquez, 49, was driving alone to his office after attending Mass when three cars came alongside his GMC Suburban and gunmen opened fire with at least one AK-47 assault rifle and a 9 mm handgun.

Dozens of police, judges, prosecutors and others have been slain in Tijuana and its suburbs in recent years, a violence spiral linked to wars between competing drug cartels. A presidential candidate of the ruling PRI party was assassinated in Tijuana in March 1994.

Police said they have no suspects although three suspicious cars were seized in two nearby neighborhoods. One of the cars had been reported stolen in Chula Vista, Calif.

In recent months, officers under de la Torre's command have been conducting a crackdown on illegal-immigrant smugglers and small-time drug users and pushers, particularly in the Zona Norte, an area near the border known for prostitution, drugs and other criminal activities.

## Researchers Report Success With Cancer Vaccine

THE WASHINGTON POST

An experimental cancer vaccine, made by fusing a patient's tumor cells with specialized cells of the immune system, has produced dramatic shrinkage of tumors in a small study of patients with advanced kidney cancer, researchers reported Monday.

Although the results must be confirmed in larger studies, they are encouraging enough that doctors in several countries are launching experiments using the same approach to treat other malignancies, including skin cancer, breast cancer and ovarian cancer.

The effort to enlist the immune system to fight cancer is a booming research field, but most trials of cancer vaccines in human patients have had no more than modest success, and no vaccine has been approved by the Food and Drug Administration. The results of the new study led by the University of Göttingen, Germany, in which more than one-third of patients responded favorably to the vaccine, are among the most promising to date, researchers said.

# McCain Denounces Leaders Of Christian Religious Right

By Elaine S. Povich and Craig Gordon

NEWSDAY

Sen. John McCain, R-Ariz., Monday denounced the twin pillars of the Christian religious right, Pat Robertson and Jerry Falwell, as "agents of intolerance" — a risky political gambit that was designed to attract moderates but also could alienate the religious conservatives who make up a critical Republican constituency.

McCain's main Republican rival in the race for president, Texas Gov. George W. Bush, condemned McCain as a "name-caller."

The back-and-forth over one of the modern Republican Party's most loyal voter groups came the day before both Virginia and Washington State hold their Republican primaries. Bush is ahead in the polls by about 10 points in Virginia, while Washington is rated a dead heat. North Dakota also holds caucuses Tuesday.

Bush campaigned in Seattle; McCain in Virginia Beach, Va., in the home state of the two evangelists. The McCain campaign has charged Robertson and his organization with telephoning voters alleging that McCain's national co-chair-

man, Warren Rudman, is a "vicious bigot." Bush operatives said that McCain's campaign also approved telephone calls highlighting anti-Catholic statements made by Bob Jones University, where Bush spoke earlier this month.

Monday, McCain called himself a "Reagan Republican," citing former President Reagan, who attracted a broad base of Democrats and independents as well as core Republicans. McCain charged that Bush is a "Pat Robertson Republican" who would lose to Al Gore, if the vice president becomes the Democratic nominee.

"Neither party should be defined by pandering to the outer reaches of American politics and the agents of intolerance, whether they be Louis Farrakhan or Al Sharpton on the left, or Pat Robertson or Jerry Falwell on the right," McCain said.

"We are the party of Ronald Reagan, not Pat Robertson. We are the party of Theodore Roosevelt, not the party of special interests. We are the party of Abraham Lincoln, not Bob Jones."

Bush, also trying to grab the Reagan mantle, suggested that Reagan "didn't point fingers. He never played to people's religious fears

like Sen. McCain has shamelessly done, ascribing views to me that I don't have."

"You can't lead America to a better tomorrow by calling people names and pointing fingers," Bush said during a news conference in Seattle shortly after McCain's speech. "We need a uniter, not a divider."

On Sunday, Bush released a letter to Cardinal John O'Connor apologizing for having spoken earlier this month at Bob Jones University without disassociating himself from the "anti-Catholic sentiments and racial prejudice" of the fundamentalist school.

Monday, New York Gov. George Pataki said that Bush's Bob Jones appearance was a mistake, but that the apology to O'Connor should be sufficient. In an appearance with Pataki, Sen. Daniel Patrick Moynihan, D-N.Y., a Roman Catholic, agreed. New York's Catholic voters make up 46 percent of the Republican enrollment in the state.

Also Monday, a spokeswoman for Falwell said the evangelist would have no comment. A telephone call to Bob Jones University was not returned.

# Court to Review Policy That Arrests Pregnant Drug Users

By David G. Savage

LOS ANGELES TIMES

WASHINGTON

Again testing the frontiers in the war on drugs, the Supreme Court agreed Monday to decide whether public hospitals and police can work together to arrest pregnant women who have used cocaine.

South Carolina is the only state that charges mothers with child abuse if their babies are born with traces of illegal drugs in their blood.

To enforce the policy, nurses and doctors at a public hospital in Charleston, S.C., volunteered in 1989 to give police the urine samples of women who tested positive for cocaine.

"Most of us assume there is a special confidentiality when you go to a doctor or a hospital. These

women went to the hospital for medical care. Instead, they got arrested," said Lynn Paltrow, a lawyer for the Women's Law Project in Philadelphia, who sued on behalf of the women. They accused the hospital and city prosecutors of conducting illegal searches in violation of the Fourth Amendment.

Paltrow said the policy was directed almost entirely at poor, black women. Of 30 women who were arrested, 29 of them were black, she said. The one white woman arrested gave birth to a mixed-race child — a fact noted by the nurses, she said.

In its defense, the hospital said it undertook the drug testing policy to combat the epidemic of so-called "crack babies."

"This was a pathetic situation.

These babies were being born exposed to cocaine. This was a medically driven policy to deal with a medical crisis," said Robert H. Hood, a Charleston lawyer who represented the Medical University of South Carolina.

During the first year of the policy, women who tested positive were arrested and sometimes put in shackles immediately after giving birth. In later years, they were given the choice of drug treatment or arrest.

In 1993, after the lawsuit was filed, the hospital stopped turning over drug test results to police but prosecutors maintain that the joint effort was legal. Last year, the 4th U.S. Circuit Court of Appeals agreed and threw out the women's claim for damages.

# WEATHER

## Leaping into Spring

By Peter Huybers

STAFF METEOROLOGIST

Clouds early today will give way to sunny conditions this afternoon and highs will reach the mid 40s. Winds of 15 to 25 mph will come from the Northwest with gusts reaching 40 mph. Expect a clear night tonight with lows between 30°F (-1°C) and 35°F (2°C).

Wednesday will dawn with clear skies, but become increasingly cloudy with a chance of showers in the evenings. Highs will reach into the 50s and lows will be between 35°F (2°C) and 40°F (4°C). Thursday should be breezy with highs between 45°F (7°C) to 50°F (10°C).

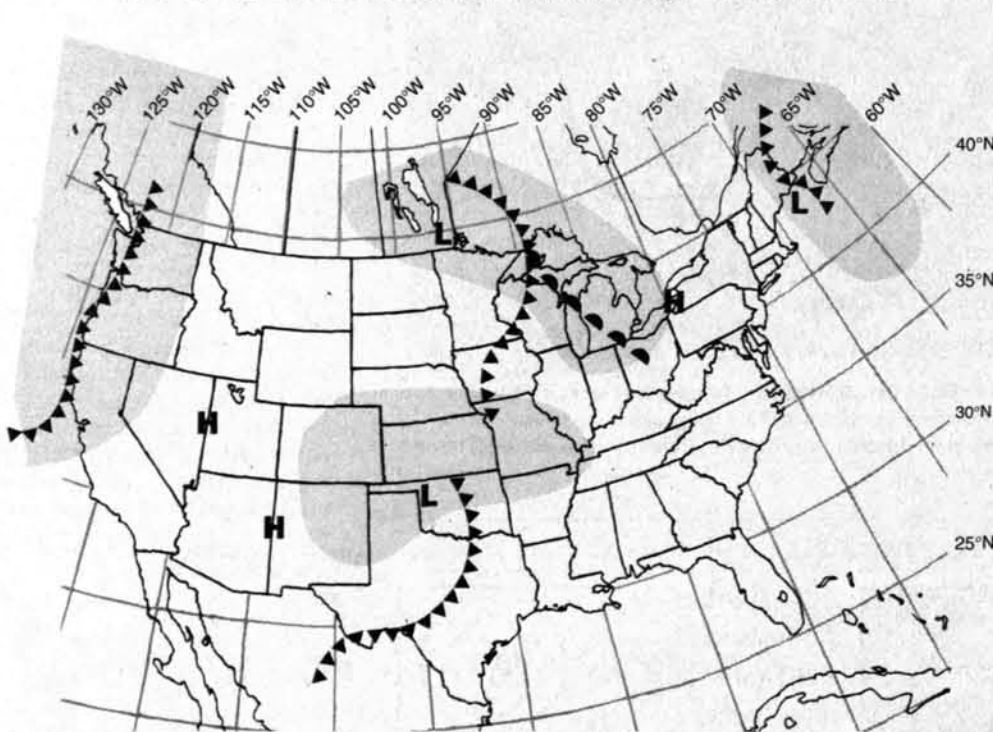
Record high temperatures over the last week have melted most of the snow cover across the nation. This subsequently has fostered even warmer surface temperatures due to increased solar absorption. At present upper Michigan and Northern Maine are the only few places with any significant snow cover remaining.

**Today:** Windy and partly sunny. High 45°F (7°C). Low 30°F (-1°C).

**Wednesday:** Sunny; chance of rain. High 55°F (13°C). Low 35°F (2°C).

**Thursday:** Variable clouds. High 45°F (7°C).

Situation for Noon Eastern Standard Time, Tuesday, February 29, 2000



Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
H High Pressure	- - - Trough	☁ Snow	☁ Fog
L Low Pressure	— Warm Front	☔ Rain	☁ Thunderstorm
§ Hurricane	▲ Cold Front	☔ Light	☁ Haze
	▲ Stationary Front	☔ Moderate	
		☔ Heavy	

Compiled by MIT Meteorology Staff and The Tech



# Detained Journalist En Route To Moscow per Putin's Request

By Daniel Williams  
THE WASHINGTON POST

MOSCOW

Security officials put detained Radio Liberty correspondent Andrei Babitsky, whose reports from Chechnya enraged the Russian government, on a plane from Russia's far south to Moscow late Monday, according to the Interfax news agency and Babitsky's colleagues at the U.S.-funded station. No information was available about his legal status.

Reports of Babitsky's departure from Dagestan, where he had been jailed since last week, followed by several hours a request for Babitsky's release from acting President Vladimir Putin. Putin's sudden intervention in the case suggested

the Kremlin was looking for ways to quell the uproar that began with the journalist's capture by Russian forces in mid-January and continued with his subsequent handover to masked men in a purported exchange for Russian soldiers held by Chechen rebels.

Babitsky had then disappeared into the Chechen wilds before surfacing in neighboring Dagestan.

"I don't think the law enforcement agencies need to keep him behind bars," Putin said of Babitsky. Putin told reporters he discussed the case with Interior Minister Vladimir Rushaylo and asked him "to deal with the matter more carefully."

Putin went out of his way to attack Babitsky's work, saying that

he was "not just covering events" but "selling" information.

Putin's request compounded the tangle of politics and law that has bound up the affair since the beginning. On the one hand, Russian officials continue to accuse Babitsky of a variety of crimes, including consorting with terrorists. On the other hand, Putin said simply that it was "unnecessary" to hold him any longer.

Radio Liberty's Moscow bureau chief, Savik Shuster, said "sources" told him that Babitsky was whisked from Makhachkala, Dagestan's capital, sometime after 9 p.m. (1 p.m. EST).

Neither Babitsky's wife nor his lawyer, both in the city, were told about his departure.

# Envoy Returns Home as Israeli-Palestinian Negotiations Falter

By Lee Hockstader  
THE WASHINGTON POST

JERUSALEM

For the second time in a month, President Clinton's special Middle East envoy said Monday he is returning home having failed to reinvigorate faltering peace negotiations between Israel and the Palestinians.

The departure of the envoy, Dennis Ross, marked a new low point in increasingly ragged ties between the two sides, which have been deadlocked on territorial and procedural points since early this month. Having missed a Feb. 13 deadline for setting a broad plan to end their half-century conflict, Israeli and Palestinian negotiators have traded recriminations in recent weeks. And

Monday, Ross acknowledged he has been unable to replenish the dwindling stock of trust between them.

"I am going back to Washington to consult with the president and the secretary (of state)," he said after a week of talks with Yasser Arafat, the Palestinian leader, and Ehud Barak, the Israeli prime minister. "And we will decide on what the best next step will be to ensure that this process of overcoming the difficulties actually succeeds."

The apparent inertia on the Israeli-Palestinian peace efforts, which many had hoped would achieve a major breakthrough this year, stood in contrast to a flurry of reports from the Israeli-Syrian peace front.

Talks between Syria and Israel also have been frozen for weeks, despite frequent reports of behind-the-scenes attempts to revive them. But on Sunday, in a clear effort to break the impasse, Barak conceded a point that Syria has insisted on since 1996 — that Prime Minister Yitzhak Rabin had made a commitment to return the Golan Heights if Israel's security conditions were met.

Going even further, Barak said that three other former Israeli prime ministers — Benjamin Netanyahu, Shimon Peres and Yitzhak Shamir — recognized the legitimacy of Syria's claim to land it held on the Golan until June 1967, when Israel captured the strategically important heights.

## Clinton Says States Should Be Allowed to Tax Net Sales

THE WASHINGTON POST

WASHINGTON

President Clinton told the nation's governors Monday that states should be allowed to tax the sales of items bought via the Internet, placing him at odds with some GOP presidential candidates and advocates of unfettered online commerce.

While stopping short of advocating such a sales tax himself, the president said the federal government should not stand in the way if states decide the same levies they apply to in-store purchases should apply to products bought on Amazon.com or similar online companies.

He also told the nation's governors they should not wait five years to decide the controversial taxation issue, as some have urged.

Clinton moved cautiously in addressing the contentious question of whether purchases from online companies should keep their tax-free status.

Previously the Clinton administration had cited "troubling questions" about a proposed moratorium on even considering such a tax. But the White House was a bit more definitive Monday.

Clinton met privately in the White House with several dozen governors, in town for the National Governors' association meeting, and urged them to tackle the sales tax question "sooner rather than later," participants said.

## Some Bracing for Round 2 of Y2K Problem on Leap Day 2000

NEWSDAY

Just when it seemed that the Y2K issue had come and gone, Feb. 29 comes along.

The federal government and several other Y2K watchers are standing ready over the next couple of days just in case computer programmers overlooked the fact that the year 2000 is a leap year.

"We do not think that this issue is as significant as the Jan. 1 rollover," said Jack Gribben, spokesman for the President's Council on Year 2000 Conversion. But "enough people probably made the mistake in programming that we may have some glitches."

The Y2K Council will again rely on its \$50 million command center two blocks from the White House to make sure critical government and private-sector systems are working normally.

The Information Coordination Center, as it's called, won't be staffed around the clock like it was around New Year's but about 150 personnel from federal agencies will be on hand over two seven-hour shifts from Tuesday through Thursday.

Overlooking the Feb. 29 date, officials said, could cause errors in cases where the number of days in a month is critical, such as in calculating interest, setting due dates and scheduling some events.

# Run For Office!

## UA Offices:

- UA President & VP
- Finance Board



## Class Council Offices:

- President
- Vice President
- Treasurer
- Secretary
- Social Chairs
- Publicity Chairs

Petitions will be available Wednesday at noon in the UA Office (W20-400)

More details: <http://web.mit.edu/ua/Committees/Elections/www/>



# OPINION

## Scrapping the 2001 Policy

Over the past two and a half years, *The Tech* has repeatedly endorsed proposals to house all first year students on campus. We continue to believe that housing freshmen on

### Editorial

campus "will integrate freshmen into the larger MIT community and provide students with more time to make informed choices about where they want to live" ["Paving the Way for Radical Change," Oct. 17, 1997].

However, *The Tech* no longer supports President Vest's decision to begin housing all freshmen on campus beginning in the fall of 2001. The administration's incompetence in planning the new undergraduate residence has convinced *The Tech* that the Institute should not proceed with the implementation of the 2001 decision.

In order to house all freshmen on campus, the proposed new undergraduate residence needed to open by the time the Class of 2005 arrived. Without the new residence, the creaking campus housing system, already filled past capacity, could never accommodate another 300-odd students — freshmen who otherwise would have lived in FSILGs.

Ground was supposed to have been broken on the new dorm last month, paving the way for eighteen months of frenzied construction. This was an ill-planned strategy to start, with little margin for error and no contingency plans. Now, construction has been indefinitely delayed by a development protest — a possibility the administration initially acknowledged but obviously failed to take seriously.

With the new dorm almost certainly stalled in court pro-

ceedings, freshmen on campus implementation cannot be accomplished without one or more of several draconian administrative actions. Tang Hall or Ashdown House could be cleared of graduate students to make room for freshmen — but such continued abuse of grad students would be completely unacceptable. An epic move of freshmen into the Marriott or Hyatt hotels (*à la* Boston University) would require exorbitant spending for temporary housing. Houseboats on the Charles, or an Adopt-a-Student program, are politically unlikely.

Some might suggest creating a 2002 deadline *in lieu of* 2001 — giving the administration an extra year to build the new dorm. However, *The Tech* believes that MIT has demonstrated its inability to act responsibly within time constraints. A deadline for housing all freshmen on campus should only be considered when — and if — the administration produces coherent, realistic construction plans for the new residence.

Thus, *The Tech* recommends a new policy: gradually increasing the percentage of freshmen on campus until all freshmen live in dorms. The original goal of the 2001 decision will thus be realized without the cut corners that would result from an arbitrary deadline. In order to avoid even further overburdening the existing dormitories, the Institute will need to decrease the size of incoming classes (as it hopes to do with the Class of 2005). Cramming freshmen into lounges and common spaces is not an acceptable long-term solution.

*The Tech* acknowledges that the administration will be loath to reverse the 2001 decision, but the future of MIT housing must be placed ahead of rushing to enact change.

## Letters To The Editor

### Vassar St. Selfishness

The Tech received a copy of this letter addressed to Cambridge Executive Enterprises.

After reading about your formal protest against MIT's plan to build a dormitory next to your headquarters, I felt compelled to write this letter and castigate you and your management for such pettiness and selfishness.

First of all, the street parking outside your place of business is not owned by you. That is public parking and therefore is shared by all. Second, you are the only business, actually the only building, down a 500-foot stretch of Vassar Street. In fact, no building and therefore no business is located across the street from your location. Third, Vassar Street is not a main thoroughfare and therefore has little traffic. Taking these arguments together, I see no basis in your concerns of parking and traffic delays.

What's more galling, though, is your lack of understanding for your neighboring MIT community. Currently, there is a huge lack of housing for MIT students. This shortcoming has become ever so urgent in the wake of recent fatal events. I am sure you are familiar with the details since MIT has received so much pejorative press coverage. Hence, this dormitory needs to be built as soon as possible.

As I see it, your protest only serves to stonewall and delay a much needed plan for minimal gains on your part. You should be

thankful you are located in a such a great location bordering on a vibrant and exciting institute. You should be working with MIT instead of against it.

In summary, I call on you to withdraw your reprehensible protest. Else, your obduracy and dereliction of community responsibility shall be crystal clear.

Mark Shane Peng G

### How About Windows?

I don't know how to use Athena. I don't understand Linux, Unix, Sun Solaris, SGI IRIX, and Red Hat and can't explain the differences between them. I don't take advantage of MIT's "superior" computing facilities, and I'm not alone. I've heard MIT described as having one of the "most wired" campuses in the world, yet I can't print a file, write an essay, transfer files, or even read and send e-mail without learning an entire new language.

I will immediately concede that Unix is probably more powerful and more useful than Windows for certain tasks once you are forced to learn how to use it for some class. For this reason having some (or even most) clusters be Unix-based is essential. But the 95 percent of us who came here using Windows are not even given a more familiar option. I honestly believe that MIT does its students a great injustice by "forcing" them

to learn how to use Unix if they want to utilize the MIT's "fantastic" computing resources for which they pay top dollar.

What if all rental car agencies in Boston switched to 100 percent manual transmission cars? After all, some people like stick better, and stick shifting is essential for high performance driving. However, everyone who grew up driving automatic would have to learn to drive stick just to cruise around the block. So the result? Only some would be able to rent cars. Those that could wouldn't even need to purchase their own cars, but those that weren't planning on driving race cars would be stuck!

For some, it's easy, interesting, and extremely useful to learn Unix. But after attending mini-courses, asking friends, and reading pamphlets, my biology-oriented mind is not easily making the transition. Ultimately, I don't care because I know that after MIT, I'll never need to use anything but Windows. Although many MIT graduates will need to know how to program in other languages, many will never again use "inc" or "rmm."

I heard that over IAP some Windows clusters were being tested out. What happened to them? Why can't there be at least a few computers on campus where the rest of us can print a file or write a paper like we could at every other college in the country?

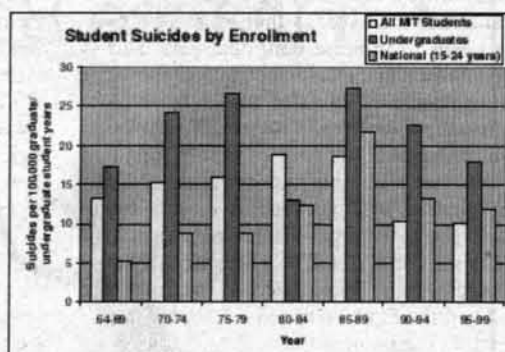
Jesse S. Boehm '01

## Clarification

In Friday's issue of *The Tech*, Chris Wren G. questioned an article about suicide trends at MIT ["MIT Suicides Reflect National Trends," Feb. 18]. In his letter, Wren questioned the relationship of MIT's suicide rate to that of the general population. Here the author, Katharyn Jeffreys, responds:

The overall suicide rate for MIT students (undergraduate and graduate) fell below the national average in the 1990s after being above it in the preceding decades. However, the undergraduate suicide rate remains well above the national average for the same age

demographic. During the period from 1964 to the present the national average was 11.7 suicides per 100,000 student years which was lower than that for MIT undergraduates at 21.2 and MIT as a whole, which had 14.6 suicides per 100,000 student years. In the past five years, the national average was 12.0 suicides per 100,000 student years, higher than the gross MIT average of 10.1 per 100,000 student years, but much lower than the MIT undergraduate suicide rate of 18.1 per 100,000 student years.



## Opinion Policy

**Editorials** are the official opinion of *The Tech*. They are written by the editorial board, which consists of the chairman, editor in chief, managing editor, news editors, and opinion editors.

**Dissents** are the opinions of the signed members of the editorial board choosing to publish their disagreement with the editorial.

**Columns and editorial cartoons** are written by individuals and represent the opinion of the author, not necessarily that of the newspaper.

**Letters to the editor** are welcome. Electronic submissions are encouraged and may be sent to [letters@the-tech.mit.edu](mailto:letters@the-tech.mit.edu). Hard copy submissions may be addressed to *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029, or sent by interdepartmental mail to Room W20-483. All submissions are due by 4:30 p.m. two days before the date of publication.

**Letters and cartoons** must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. No letter or cartoon will be printed anonymously without the express prior approval of *The Tech*. *The Tech* reserves the right to edit or condense letters; shorter letters will be given higher priority. Once submitted, all letters become property of *The Tech*, and will not be returned. *The Tech* makes no commitment to publish all the letters received.

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*The Tech* (ISSN 0148-9607) is published on Tuesdays and Fridays during the academic year (except during MIT vacations), Wednesdays during January and monthly during the summer for \$45.00 per year. Third Class by *The Tech*, Room W20-483, 84 Massachusetts Ave., Cambridge, Mass. 02139. Third Class postage paid at Boston, Mass. Permit No. 1. **POSTMASTER:** Please send all address changes to our mailing address: *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029. Telephone: (617) 253-1541, editorial: (617) 258-8324, business: (617) 258-8226, facsimile: (617) 258-8324. Advertising, subscription, and typesetting rates available. Entire contents © 1999 *The Tech*. Printed on recycled paper by Charles River Publishing.



# Insecurity and Judgement at Lecture

Veena Thomas

Ever think that you are the dumbest person at MIT? Or perhaps you think that you are the smartest person here. I wouldn't be surprised.

It's inevitable — students arrive here fresh out of high school, used to being the smartest person in all of their classes. They don't know proper studying habits, because they never needed to study before. It's not their fault. Though told how difficult college will be, no one quite understands the magnitude of such a statement.

Some students arrive here in August, knowing abstractly that everyone else here is in the same intellectual place that they are. It takes the first problem set to begin sinking in the reality of college. Or perhaps it's after they take the first test and, used to scoring 99 on everything in high school, realize that they've only gotten a 42. "Well, maybe it's class average," they think, suddenly hoping to at least fall in the middle of the pack but class average is 65.

This kind of rude awakening affects everyone differently. It's usually sufficient to drive home reality and to break down someone's ego. These people, humbled by the experience, work harder on subsequent tests to prove to themselves that they can still do well. These people decline to discuss grades, and ask for help when they know that they need it.

Others are so shocked by the experience and so threatened that they retreat into "High School Superstar" mode. Such people feel so lost in the shuffle that they continuously assert that once, somewhere, in Smalltown, USA, they were somebody. Incessant bragging about their high school water polo days and how good they were annoys everyone in earshot. It also reveals them as shocked and

threatened to anyone willing to analyze them.

A third class of people is shamed by their poor test results. Realizing, deep down underneath, that they may not be the smartest person here, they develop an insecurity complex. This usually manifests itself in quite the unexpected way. Instead of acting really weak and insecure, such people instead crow about how smart they are, how quickly they finished their work, and how simple their classes are. They tell everyone they know how they thought the last test was easy, and they compare grades with their classmates. It's almost as if they believe that by saying something enough times, it will become true.

I'm not the only one who has contemplated this phenomenon. On the first day of Social Psychology (9.70), this term, the professor stood up in front of the classroom and asked a question. Predictably, no one responded. "Why is no one responding?" he asked, and we began to analyze it. Everyone had a different reason. Some didn't want to share information about themselves so quickly, while others wanted to hear what everyone else had to say. However, the words of one student rang truest.

"There's a lot of tension in an MIT classroom, especially on the first day," she said. "No one wants to appear stupid in front of everyone else. When the TA would ask if anyone had any questions in recitation, no one would raise their hand. I had questions, but I didn't want to look stupid, so I would just ask the TA after class."

Her words heartened me, as the rest of the class agreed. They knew the feeling — sitting in class, convinced that everyone else knows exactly what is going on except for you. Someone in the class commented that at times everyone feels like the stupidest person on campus. In reality, though, the situation is quite differ-

ent. If everyone assumes that each other student understands all of the material perfectly, and they are the only ones that don't, no one asks questions, thus perpetuating the myth.

Leaving 9.70, I felt much better about MIT classrooms. After all, if a classroom full of 40 students could have a fruitful discussion about their worries and fears, then surely almost all students felt the same way. I shouldn't worry about asking questions, I thought to myself, because no one's really going to judge me by

*I certainly wasn't going to raise my hand and ask such questions. In the meantime, I would use the review session as a social psychology experiment, and watch others.*

the questions I ask. It's all just a fear, but in reality nobody actually cares if people ask questions, I convinced myself. I hadn't counted on some of my fellow biology majors.

I attended a review session for 7.06, two days before the test. I wasn't really sure what was going on sometimes, but I knew it was because I hadn't started my hard-core studying yet. I learned a lot during the review session. Of course, I had questions, but I knew they would be easily answered once I studied. I certainly wasn't going to raise my hand and ask such questions, so I figured that if I studied, and still had questions, I would ask someone. In the meantime, I would use the review session as a social psychology experiment, and watch others.

The same few people asked numerous questions, while the rest of the class sat and listened. Some of the questions were helpful, such as requests to explain a specific concept.

Others were questions seemingly off the point, or just far beyond the level expected for the test. I started to drift off.

At the very end, someone who I thought knew exactly what was going on, from the level of questions she was asking, raised her hand again. This time her question was far simpler. Aha, I thought, this girl has guts. She's not afraid to ask any question at a review session. I admired her — she wanted to know something, so she asked. (Why I can't admit that I don't know something in a classroom of 100, yet will admit it in a newspaper read by the entire MIT population, I have no idea.)

The professor answered her question — it was quite an important point which would surely be covered on the test — and then told the entire class that it was also discussed in the reading, in case anyone was still confused.

Shortly after, he concluded the review session.

I walked outside, only to hear two students behind me, quite upset. "Read the f---ing book, and don't ask such questions at a review session," one of them said. My faith in the nonjudgmental nature of others shattered. Someone had a question, and asked it. That's absolutely no reason to use profanity against them, or even to be so angry.

Some people are so insecure that they constantly need to prove how much smarter they are than everyone else. It's as if they doubt their intelligence unless someone else knows about how "smart" they are. To these people, I can only say this: you're not the smartest one here, and you're no better than anyone else. Get over it. Talking about how smart you are doesn't make you more intelligent. It takes a far stronger person to admit they don't know something than it does to judge those willing to admit it.

## Another Look at Gender Inequity in Science

Guest Column  
Aimee L. Smith

The MIT Social Justice Cooperative hosted a panel discussion on sexism at MIT as one of its four IAP events. The galvanizing issue for the panel was the same "Report on the Status of Women Faculty in the School of Science" mentioned in Tom Nugent's guest column of February 4 ["A Rational Explanation"]. The panelists from the committee that created the report included the chair, Professor Mary Potter and Professor Robert Silbey. Other panelists included Susan Buchman '01, post-doctoral fellow Dr. Michal Lipson, and myself, a female doctoral candidate in materials science.

The first zinger of the evening was learning that although many of us had dutifully read "the report" posted on MIT's website, we had not actually read the report but the report on the report on the status of women faculty in the school of science. Herein lies the dilemma. Many of the few women faculty are as of yet untenured, and without the security of tenure cannot be protected against the very real threat of retaliation for speaking their mind about their treatment in their respective departments as women. Even tenured women faculty, who disclosed in the study a sense of isolation from their respective departmental communities, are not free from the risk of retaliation. That means that to get the data, one needs to promise confidentiality. But to publish the data would mean compromising such confidentiality. MIT made the rational decision to collect and protect the data for its own private analysis.

Another important tidbit we learned was that remedies were not made across the board to all women faculty. Specific overt inequalities were corrected. The presence of a systemic pattern of discrimination was noted, but no blanket response to such a problem was pursued. The point is that MIT was not giving a politically correct response to a bunch of shrill, whining ladies, but responding to actual measurable inequities in the allocation of science-enabling resources.

In addition to inequities in resources, the actual lack of representation of women in these departments is staggering. The report on the report provides explicit data on this point as counting bodies is much less controversial than comparing facilities and salaries: "In the summer of 1994, there were only 15 tenured women faculty in the six departments of the School of Science, versus 194 men. These numbers had remained essentially unchanged for 10-20 years."

The limitation of the so-called rational thinking of the likes of Nugent and Kleinfeld is that they ignore a vast number of social and historical factors that discourage women from pursuing careers in science. Kleinfeld attempts

to explain the lack of women faculty in science with two assertions: first, the preference that women exhibit for fields other than science is formed freely and independent of societal pressures; and second, the fact that men make up the extremes of certain standardized tests is the cause of their over-representation in science. Essentially, she claims that women are either less willing or less able than men to tackle the job of being a science professor at a fine school like MIT. She writes: "When universities like MIT bemoan the lack of women faculty in the School of Science and attribute this situation to gender discrimination, they are ignoring women's own preferences and choices. The MIT faculty has more males, in large part, because there are fewer females in the relevant scientific talent pools. Yes, some mathematically talented females do choose such careers, but most make other choices. They are free to do so. Diversity of preferences enriches us all."

Kleinfeld's claim of an imbalance in the talent pool is based on standardized test results. If you think standardized tests are objective measures of some particular ability, you might be interested to learn that women outscored men in the earlier versions of the IQ test. Naturally, this necessitated a reworking of the test. While insights in biological and cognitive sciences are extensive, their reach falls far short of quantifying the potential of a human mind.

Kleinfeld's arguments, however, do not speak to lived experiences of the women panelists. These are women who actually do desire and are fully able to pursue science, but are met with various forms of resistance along the way. Dr. Lipson spoke of discriminatory behavior toward women with husbands and/or children. The presumption is that women will bear the majority of family responsibilities, that they will not be able to travel to conferences as easily, and that they will tend to follow their husbands when seeking the next level of employment. Employers and colleagues who, without questioning, expect such priorities from women perpetuate the problem. Furthermore, husbands, typically professionals themselves, often expect their goals and ambitions to be treated as the top priority of the family. This type of inequality is hard to redress. As an example, MIT has a semester teaching sabbatical for tenure track faculty who become new parents. Men are also entitled to (and do) take this research-enabling break whether or not they are the primary caregiver for that child. This policy leads to further disparity if men take the break

from teaching responsibilities in order to get ahead on research instead of becoming full-time parents. Lack of equality at home leads to unrecognized tilting of the playing field at work. This explains how, as Dr. Lipson puts it, the perception of a woman's potential career is immediately diminished when people in the science community see she is pregnant.

Buchman, a mathematics major and Tech staffer, arrived at MIT full of enthusiasm and confidence and with exceptional high school training. In spite of success with her course work, she talked of a slow eroding of her confidence. She attributes this to a lack of female role models at the faculty level in her department. Buchman's sense of not belonging is not her choice.

I imagine Kleinfeld doesn't have much interest in the real reasons that women are few

*Until critics such as Kleinfeld consider social factors in their analysis, they fail to address the lived experience of so many women. Science that fails to address all the relevant factors is neither reliable nor rational.*

and far between in science. Historian Howard Zinn tells us that "if you don't know anything about history, it is like you were born yesterday." I think Kleinfeld and the vast majority of us in the science community are as if we were born yesterday when it comes to the topic of women in science. In fact, most of us would put the birth of modern science precisely at the moment when women were being purged from the ranks of those entitled to think about such matters of nature.

See, for example, David Noble's *A World Without Women* to learn how our great scientific "forefathers" such as Newton and Bacon helped to have heretical or, "incorrectly thinking," people sentenced to death. Newton himself secretly studied such forbidden texts, and I can't help but wonder if some of the giants' shoulders he claimed to have stood on were female. Of course Newton and Bacon didn't personally have a role in every such murder, they would hardly have had the time. The estimates for the death toll of witch burnings are into the millions with a mysterious over-representation of females at 85 percent. Even if we weren't born yesterday, but just after the gender cleansing of science, we might attribute women's absence from the professorial ranks as a matter of preference, especially if these little historical tidbits weren't communicated to us in our history or science classes.

One might argue that the historical update is all well and good, but things that happened hundreds of years ago should have dissipated in potency over the present. The fact remains, however, that the climate of terror for women in science and women in society at large has persisted through the means by which all

oppressions are undergirded: violence. The particular barriers and discouragements to women who attempt to enter the male domain of science have evolved and mutated over the years. Once women won the right to obtain formal university education in science, male only professional societies sprung up to bar women access. Scientific study has turned and continues to turn its focus on women to categorize and define our supposed inferiority. The metaphors of domination and control of a female nature are hardly inviting. The naturalization of women's absence from science makes the concept of a woman scientist antithetical. However, even for the women today who "choose" to not be affected by the metaphorical baggage and dearth of women, there is always the threat of violent reprisal for a "wrong" move. The threats themselves wouldn't really carry much weight if it weren't for the epidemic numbers of rapes (affecting about one in four women) and hospitalizations that women experience at the hands of men. Most men are not abusers, stalkers or rapists, however, those who are don't generally share such information up front. That means that milder forms of sexual harassment or excessive romantic interest, which could otherwise be considered a nuisance, become a potential death or rape sentence.

I hazard to guess that everyone is within about two degrees of separation from a woman who has been murdered. The threat I am referring to is hardly abstract. One of my babysitters from childhood was raped and murdered not long after she went off to college. This might have something to do with my strong aversion to the song that one of my male colleagues was playing repeatedly at high volume one late night last year, presumably to drive me out. The lyrics go: "I used to love her, but I had to kill her." There is also a small hole in the wall near his desk from where he has repeatedly kicked a metal trash can in his more "frustrated" moments. I "chose" to stay and complete the work that I had permission to do in that lab, but such choices should not be required.

Capable women do not leave the male-dominated communities of science in disproportionate numbers after each level of training because they choose against these fascinating fields of study. They leave because these communities are not comfortable and welcoming on many levels, not the least of which is that of a sense of basic physical safety. Until critics such as Kleinfeld at the very least consider these social factors in their analysis, they fail to address the lived experience of so many women. Science that fails to address all the relevant factors is neither reliable nor rational.

Aimee L. Smith is a graduate student in the Department of Materials Science and Engineering.



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## FEATURES

## Mayor Aims to Involve MIT in Cambridge Schools

Galluccio, from Page 1

with Galluccio extensively on youth and community service issues. Galluccio has "unique skills and a strong personality that can help encourage students to get more involved, to vote and to participate more in city issues," he said.

## Leading a diverse community

The relationship between the city of Cambridge and the institutes of higher learning that it hosts has traditionally been tense.

"People need to let their guard down a little bit and have some conversations about how we all work together to improve our environment," said Galluccio.

"There's not a lot of interaction between students and residents. I've worked with a number of student groups in the course of my career and then they leave. There's obviously a separation."

Despite their separation, the two groups share common concerns. "If we have a housing crisis, you have a housing crisis. If we have social problems, you have social problems," said Galluccio. "It's to everyone's benefit that the community around Harvard and MIT is improved."

The housing crunch affecting Cambridge is an example of this interdependence.

"For the first time in the city's history, the students and city government and the universities have a mutual interest in housing," said Galluccio.

The heavy student population in the community has a large effect on affordable housing because students are able to pay significantly higher rates than many other residents.

"If you are a student and you are paying up to \$800 a month by yourself, that's not the end of the world," said Galluccio. "But compare that to what a single mother or a working family can come up with ... and there is no contest."

In response to these concerns, the city and university have been working "to increase student housing, which obviously clashes with people who don't want to see any institutional expansion and people who are very anti-development."

## Galluccio urges student activism

"I've always encouraged students to get involved and register to vote," said Galluccio. And "students who feel that they've become vested in the city and in the community, especially those with some intention of staying around, I always encourage to get involved in elections."

Galluccio feels, however, that students should wait until they feel that they are a part of the community before they become politically active.

"I'm not sure that students should be registering in the first month of freshman year," said Galluccio. "But I think as time goes on ... they should certainly get involved."

"As a young person in government, it would be refreshing to interact with students."

## University expansion a core concern

Galluccio has concerns about the tendency of the two universities to expand over the years further into the city of Cambridge.

"It's commonly known that in past decades the universities have quietly expanded under



JAMES CAMP—THE TECH

**Anthony Galluccio, the newly elected mayor of Cambridge, comments on the need for a new relationship between MIT and the city it lives in.**

the guise of separate real estate arms of the universities."

Universities "purchase real estate and they pay commercial taxes, but before you know it, it becomes integrated into the university and they become non-tax-paying properties. Or they've just expanded to a point where people feel that the balance is off. People are more sensitive because Harvard and MIT have crept up and become bigger and bigger over time. So there is some mistrust there."

Preserving neighborhood character can be difficult in this environment, Galluccio says: "Residents take great pride in the neighborhoods of the city and they want a balance. I think that universities are aware that they just can't get away with that anymore."

The issue of eroding the tax base by allowing the non-profit MIT to acquire land is imperfectly allayed by in lieu of tax agreements. Parravano said that MIT makes "an annual contribution ... but beyond that we pay a significant amount in real estate taxes."

## Town-Gown Communication

The mayor is grateful, however, for the recent increase in open dialogue before universities finalize their plans.

"Harvard spends way too much time acting defensively about institutional expansion. Help with housing, help with schools, help with volunteerism, contribute to our housing and public education causes, then tell us what we can do for you."

Harvard takes on a "bunker mentality," Galluccio says. "It's like 'how do we get involved without becoming accountable,' he said.

Parravano, Co-Director of MIT's Office of Government and Community Relations, said that when MIT interacts with Cambridge there "is no attempt to hide anything. We try to be

careful in most things ... to share them with members of the [Cambridge] City Council. That is a major responsibility we have. We try to notify them whenever parcels are purchased so that they are aware and can factor that into how they are thinking about things."

The city and MIT have also embarked on a number of informal agreements to encourage communication.

"Back in the early 90s [the city] set up a town-gown task force and from that came a commitment from the institutions of higher education in Cambridge to annually submit an update or report," Parravano said.

## Improving the Cambridge job base

Galluccio hopes to improve the quality of public education in the city by involving MIT in the academic lives of Cambridge high school students.

"I think we can do more to tap into the commitment and compassion of the students in our community. I have 18-25 year olds coming in here every day who aren't working and if you're not working in this economy, something's wrong."

"Think about what could happen if the administration of MIT helped Cambridge set up a new technical program for the high school to train high school students in new technologies. Imagine having the geniuses of the country setting up a program at our high schools and building relationships with 17 year old kids who might not have gone onto college for four years, but would undertake a two year program for the specific goal of having a good paying technical job."

Although these goals might have seemed unrealistic when Galluccio was a city councilor, "it will be a lot easier for me to execute things like this as mayor. There is a certain amount of leverage and leeway that is given to

a mayor."

Parravano expressed reservations about the idea of MIT running a two-year technical program as Galluccio suggests. "Running a school and all of the issues connected with that is pretty complicated. You would need a dedicated effort to take that on and I'm not sure if MIT is the right place to do it," Parravano said.

"I think we have significant contributions we can make through our faculty and students to K-12 education, particularly in science, and also in the humanities. If you were to talk to the superintendent, teachers in Cambridge and parents of children who have had experience with MIT students in the classroom or have come to the MIT science fair, you'd get a picture of MIT's dramatic involvement in the schools," he said.

MIT's Office of Government and Community Relations has had a good relationship with the Cambridge schools through a variety of public service projects. For instance, Parravano and other member of the department serve on local boards for community agencies and civil organizations. In addition, the science coordinator of Cambridge public schools is currently spending his sabbatical at MIT to develop faculty and student interest in public school programs.

## Mayor calls for more Cambridge employees

The mayor feels that Harvard and MIT, two of the biggest employers in the city, hire far too few Cambridge residents.

"I think the employment connections are deplorable. In terms of reaching out to Cambridge residents for job opportunities, there is no organized, methodical program for training or just reaching out to residents."

Galluccio cited the diverse pool of employees residing in Cambridge.

"We run the gamut from graduate school education to high school. From buildings and grounds to high level administration to management. We have a great minority population here that works well with the diversity goals of the universities. It just hasn't been a priority. It's unacceptable."

Parravano noted that MIT is trying to improve its hiring practices. "It is beneficial to have Cambridge residents to work with and have children going to the schools where we work," Parravano said.

## MIT, Harvard contribute to economy

Despite the sometimes negative impact of the universities, Galluccio credits MIT and Harvard with aiding Cambridge's rebirth. "We were one of the most flourishing industrial cities in the country during the 30s and 40s. When the country started losing manufacturing, communities like ours were the first to suffer. We've gone from predominately industrial to predominately technical and service, ... [which] happened because of Harvard and MIT."

"None of that is to say that we can't do better in terms of student involvement in the community; getting institutions to contribute more to the tax base is an ongoing effort, getting universities involved in public education and housing and taking a hand at addressing some of our social problem. Those are efforts that are ongoing. The proper context of that is with appreciation and not using the universities as a scapegoat."

## This Week in MIT History

By Jennifer Chung

STAFF WRITER

During the last week of February, 1998, students entering 10-250 for a lecture were greeted with the home page for a pornographic web site.

Lecturers for Structure and Interpretation of Computer Programs (6.001) displayed the page as an introduction to a lecture on the Platform for Internet Content Selection. PICS is a system designed by the World Wide Web Consortium to filter out pornographic web sites and other objectionable content.

The lecturers wanted to show that Internet pornography "really is a problem," said Professor of Electrical Engineering and Computer Science Harold Abelson PhD '73, who proposed using the graphic to introduce the lecture and who was one of the course's four lecturers that term.

According to another lecturer, James S. Miller '76, "this is a page that does not ask for your age" or provide for any form of protection. The offensiveness of the page demonstrated the need for a rating system, he said.

Students in the class had mixed reactions about the full frontal nudity logo and banner advertisements that graced the projection screen at the front of the lecture hall. The most common reaction was disbelief.

"Some people laughed; that was more or less my reaction. I thought it humorous to see it up there ... It wasn't what I expected to see ... in a 6.001 lecture," one student commented.

"I still don't think that showing this in a 6.001 lecture is a good idea," said another student. "The class includes people who have strong beliefs against pornography for many different reasons."



JAMES CAMP—THE TECH

**Members of the SONOS ensemble, featuring MIT and Boston University faculty, perform a trio by Dmitri Shostakovich Friday night in Kresge Auditorium. Left to right are Bayla Keyes (BU) on violin, David Deveau (MIT) on piano, and Michael Reynolds (BU) on cello.**



# Signal or Noise

Artists, Record Labels, Net Gurus, Meet to Discuss the Future of Digital Music



Artists including members of They Might Be Giants gathered at Harvard's Law School to discuss the future of digital music distribution.

By Katie Allen  
STAFF REPORTER

Lawyers and musicians seldom have a lot in common, so when Harvard Law School hosts a conference on the future of the music industry, it is bound to attract a diverse crowd. And so it was last Friday, when the Berkman Center for Internet and Society and the Electronic Frontier Foundation co-hosted "Signal or Noise: The Future of Music on the Net".

The conference included a lineup of music industry bigwigs as well as Internet music entrepreneurs, technology experts, artists and legal experts, all gathered to discuss the future of their industry and the effect on it of music's newest medium, MPEG level 3 audio compression, commonly known as MP3.

MP3s have been controversial in many areas: the Recording Industry Association of America, a trade group of artists and record labels, has several lawsuits pending against companies that build MP3 players, and companies that provide software to search for and download MP3s from users. There have been several instances of college students being punished for MP3 distribution: in November

1999 Jeffrey Levy pled guilty to a violation of the No Electronic Distribution (NET) Act, which makes it illegal to reproduce or distribute copyrighted materials worth over \$1,000 over the internet. Seventy-one students at Carnegie-Mellon University were reprimanded, lost internet access, and were required to attend a 90-minute lecture on copyright laws after they allowed access to MP3s over the school's network in October 1999. All these cases have established a precedent: copyrighted materials, including MP3s, are protected from free distribution over the internet, and universities are potentially legally responsible for the copyright violations of their students.

The major issue in this debate is ownership and compensation. Currently, many artists get less than 10 percent of the revenue from their music sales. This seems unfair to many, and is often used as an excuse by consumers for music piracy. Another reason (cited several times during the conference) is the artificially high price and, correspondingly, the artistically-limiting twelve song format of CDs. Together, this leaves artists in a quandary: should they support the system that cheats

them of their commissions, or should they break out of the established system to try their luck in the fragmented world of internet music?

Chuck-D of Public Enemy is one artist who chose to break away. After five years of trying to help rap and hip-hop break into the mainstream of music controlled by the "RRR" (Radio, Retail, and the Record Companies), he was frustrated and fed up with trying to make records in the major companies. In 1997, Chuck-D broke all ties with the major labels, and started his own music website, RapStation.com, which now is a major distributor of original MP3s. Because of his experience with both mainstream and Internet music distribution, Chuck-D believes that "the old way is just not working ... I believe the album format is dead." He predicted that in the next few years, 85-90 percent of music will be freely available for "digital download." Music will be available worldwide on the day it is released, and that artists will no longer be limited to the twelve-cut format.

The afternoon sessions of the conference focused on the artistic, musical, and technical possibilities of the new media. Rocket Network, a company that has set up internet recording studios, demonstrated their secure website, where artists on different continents can record and work together in real-time to create music for less cost and hassle than "brick and mortar" studios. Others ventured the possibility of internet jam sessions, the ability to create "non-linear" musical experiences, and a new method for bridging gaps between visual, motion and audio arts. All seemed to agree that the internet is going to change the way music is created, distributed, and received.

Ken Wirt, the CEO of Riffage.com, suggested that the internet will do to the music industry and record companies what cable did to television. However, some members of the panel shared fears that the technology will overwhelm musical ideals. Bob Ezrin, of Enigma Digital, stated that "we're so caught up in the noise that we forget that it is about the music. There needs to be some reason for people to claw over each other, otherwise we will just have a world of mediocrity."

Mark A. Fischer, an attorney for New Media and Entertainment, proposed that future musicians will be divided into three schools: those who start and finish their careers in the mainstream media, those who break out on the net and then move to the mainstream, and those "niche artists" who find their group of followers on the net and

continue to release, compose, and play for them. This leaves the major record labels with some influence, while allowing room for the artists who would normally be on the back burner to break out and become popular in their own right.

The culmination of the conference was a concert Friday night at House of Blues in Harvard Square, featuring They Might Be Giants (who had last year's best-selling MP3 in "Spoon") and "DJ Spook" both of whom participated in the conference. Although tickets to the concert were offered to all the participants, only 200 were available for the 650 physical participants in Ames Courtroom, at Harvard Law School, and the several thousand participants who logged into the conference's webcast during the day. The webcast of the conference and the concert is still available to view at <http://cyber.law.harvard.edu/events/netmusic.html>

## Viewpoint

What do you want to see on your Brass Rat?

2001 had engraving on the inside of the ring of Killian Court and the Infinite Corridor. It's good and holds a lot of nostalgic value.



Eric M. Downes '03

I'm happy with the way it is.

Patrick A. Petri '01



I actually don't have an opinion on it because I trust the Ring Committee to do a good job.

Winnie W. Chan '02

Whatever the majority of the class wants.

Misha V. Koshelev '02



Something reflective of how awesome god has been in my life.

Jessie I. Chen '03

Tradition is best.

Katrina F. Lust '03



compiled by Stacia Swanson  
and Gayani Tillekeratne

## DO IT with emotion

This is a column where we address questions and topics of all kinds concerning sex and relationships. Dr. Do It and Ms. Emotion do not claim to be experts in the fields but have been "around the block" a few times and have seen their share of situations involving relationships and sex. The opinions of Dr. Do It and Ms. Emotion do not necessarily reflect the opinions of this publication.

Dear Dr. Do It and Ms. Emotion,  
What's the best way to mend a broken heart?  
—Hurting

**Ms. Emotion:** Getting over a broken heart is never easy, whether a failed relationship or an unrequited love is the culprit.

A lot of emotions are probably flooding through your head right now — anger, despair, emptiness, bitterness, and maybe even jealousy if there was a third person involved. Most people will tell you that time heals all wounds, and they're probably right. But I've been there before and I know that waiting for time to heal the wounds is no walk in the park. So I have a few suggestions that will hopefully help in the short term.

You are inevitably analyzing what went wrong. And I think that's part of the healing process — making sense of what happened to you. That's also how we learn from our mistakes. It takes two people to make a relationship work. While you're reflecting, try to think about what you should do differently in your next relationship (even if you can't imagine having one right now).

I'm a big fan of the theory that if it's meant to be, then it will be. Philosophical arguments aside, it's a nice way to think about life. Since you can't be with this person, then it must not be meant to be, and therefore you should accept it.

If you can come to the realization that your life is better without that person, or that you would be better off with someone else in the future, then it's easier to accept that you can't be with them. Once you accept it, you can have hope for your romantic future, and joy when reflecting on the past. The best part about an old crush or an ex is that you can think back about the fun times and be thankful that you have the memories, even though things weren't meant to be.

Some twisted and dramatic part of me likes to think that if

someday my husband, my true love, were to die, I would never get over it. Certainly, I would never stop loving him. Both of my grandmothers lost their husbands — one to cancer and the other to his secretary. To this day they both are still in love with their husbands, and both of them recovered from their broken hearts.

So it's possible you'll never stop loving this person, but I know if my grandmothers can recover from their broken hearts, then you and I can too.

**Dr. Do It:** Wow, that's a pretty long-winded answer, Ms. Emotion. I hate this question because I never know how to answer it, but I will tell you this. I broke up with my last girlfriend over a year ago and it was the most painful experience ever. I still think about it from time to time. I don't think anything went wrong in the relationship per se, but that she was just ready to move on because it didn't feel right for her. Those months after the breakup were perhaps the hardest days of my life. I didn't know what to think or what to do. However, I was thankful to have a network of very supportive friends who were there to hang out with me through those tough times. I also know that it was hard to focus on stuff I was doing because I was so preoccupied by thoughts of her and why she broke up with me, thinking there was either something wrong with me or something I could have done to prevent it.

I eventually decided to start doing some interesting activities that I had always wanted to do, like dancing and sailing. I also decided to start working out again to get back into shape. Through these activities, I increased my quality of life and felt better about myself, while also meeting new people.

You can't control what the other person does or feels and you can't control what you feel. But you can at least control what you do, so go out and try to have fun. I still occasionally think about my ex-girlfriend and it still affects me somewhat. I don't know if we ever really get over these things in life and I'm sure they have impact on the way we live the rest of our life. I only hope that someday I will find someone else who I will cherish at least as deeply. But in the meantime, I am living my life to fulfill my needs and desires and doing the things that I want to do.

If you have any questions for Dr. Do It and Ms. Emotion or topics you would like them to discuss, please send email to [advice@the-tech.mit.edu](mailto:advice@the-tech.mit.edu).

## Solution to Crossword Puzzle

from page 13

T	A	M	P	A		P	L	A	I	T		I	R	S
U	T	U	R	N		L	A	N	K	A		N	O	T
B	E	G	I	N		A	S	Y	E	T		U	M	A
						S	E	C	T	S		T	H	I
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L	E	N		E	M	E	R	G	E		T	A	M	E
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S	A	S	H		R	A	R	E	F	Y		M	I	T
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C	A	L	L	U	S	E	S		R	E	D	D	E	R
I	D	L	E	R		H	E	N	R	I				
T	E	A		S	T	E	A	L		C	R	A	I	G
E	L	M		T	A	R	P	S		U	T	I	C	A
S	E	A		S	P	R	E	E		P	Y	R	E	S



# Stand and Deliver's Olmos To Speak Today

By Sonali Mukherjee  
STAFF REPORTER

You would think that interviewing a famous actor would be a grandiose extravaganza, especially speaking with one that probably every student at MIT has seen in the movie worshiped by all AP Calculus teachers, *Stand and Deliver*. Yet, lounging in a chair in the Bush Room, surrounded by excited students associated with Lucha, or *La Union Chicana por Aztlan*, MIT's Mexican American Student Association, Edward James Olmos coos to a little girl named Chastity, daughter of Noramay J. Cadena '03. "You have to teach kindness and love to all," he says to the students crowded around the table. This seems to be one of Olmos' major themes, and his presence at MIT for two days as an artist in residence is being used to promote this feeling of melding and cultural harmony.

Olmos will be giving two lectures today as part of his visit here to MIT. The first lecture, the Alan Katzenstein Memorial Lecture, entitled "The Nature of Community: We're All In the Same Gang", will be presented from 12 to 1:30 p.m. in the Wong Auditorium. The lecture, which will focus primarily on how embracing cultural differences will make a better world community, will be subsequently followed by a book signing of *Americanos*, a book on the American Latino community, edited by Olmos.

The second lecture, entitled "Values, Ethics, and Leadership" will be given at 5 p.m. tonight in the Wong Auditorium. This lecture is intended to inform people about the importance of personal values and how they affect one's decisions in life.

Many people will remember Olmos in his Academy Award nominated portrayal of the high school mathematics teacher Jaime Escalante in *Stand and Deliver*. Escalante gave eighteen students at Garfield High School in Los Angeles the chance at better lives by guiding them through all the required preparatory math classes for the AP Calculus AB Exam. All eighteen of them passed, and all were promptly accused of cheating by the Educational Testing Service after having missed the same question. The story of their travails and their ultimate triumph by retaking and passing an even harder exam led to a movie produced by Olmos that has now become a cult film in most calculus classes in the United States.

Surprisingly enough, the movie was never a success in theatres: it took \$1.3 million to make, and one year for Olmos to study the character of Escalante, but it was pulled after one week. However, the video sales afterwards were enormous. "High school math teachers were so grateful," said Olmos. "It inspires students and motivates teachers." One of the main reasons that he got involved with the movie, which he also produced, was because in 1983 he received the NAACP's Humanitarian of the Year Award at the same time that Escalante received the Educator of the Year Award. Then, near the end of the summer of that year, before the students were scheduled to

go to college, the *L.A. Times* printed a story that they had cheated. Many people, including Olmos, rallied around Escalante and supported him in his efforts to prove that his students had passed the test with their own efforts. In fact, Escalante sold the story to Olmos for only one dollar.

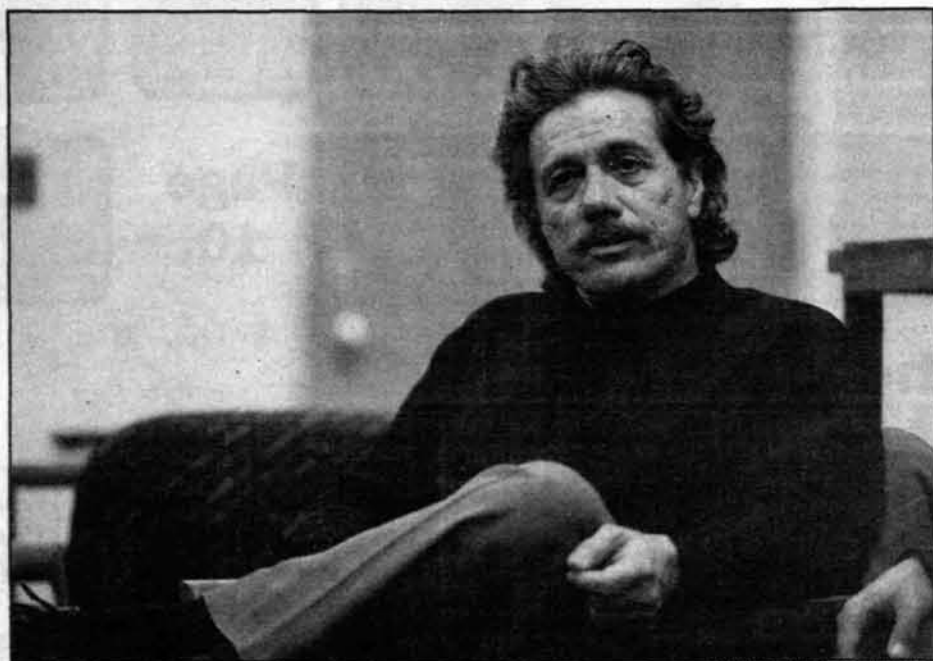
This classic story about the triumph of the underdogs is just one of the many films that Olmos has been involved with in his life. In 1978, he starred in the musical drama *Zoot Suit*. He also acted in *Wolfen*, *Blade Runner*, and *The Ballad of Gregorio Cortez*. The last film was directed by his life long friend Robert M. Young who came to MIT when he was fourteen. Young later left the Institute at seventeen to fight in World War II, and then finished his college education at Harvard.

This is not Olmos' only connection to MIT. He met Ms. Margaret Keller, the Associate Director of Resource Development at the Sloan School of Management, at the Miami Children's Hospital in 1985, while he was taping the television show *Miami Vice*. She was working a fundraiser, and he, being on the board of the hospital, offered his services. "That's just the way he is," says Marilee Jones, dean of admissions. "He picks his causes very carefully. He's very involved and interested in education." While Jones invited him here as an artist, she also admits that he is also much more than that to the Institute and to the community. "Acting is his craft. [However], he is an activist in that he brings people together."

Olmos met yesterday with various theater arts students and faculty for a casual one hour conversation about a melange of subjects. From the first second that he walked into the door, he held everyone's complete and undivided attention. Not only is he a skilled speaker, but he had many interesting subjects on which to expostulate, peppered with many examples and experiences. One of his first topics of conversation was about how he had gotten into an argument with the Vice President of the Institute about the importance of science and how it moves forward the humanities. "When you are, say, a physicist, who cares about human nature? You don't have to leave rooms, to interrelate," he says. The humanities, according to Olmos, help one as a human being because one has to totally cross-examine every human emotion ever felt in order to recreate it through theatre arts.

Basically, his feelings came down to a question he asked to everyone in the room: "Should MIT students be caring about cultural dynamics in their environment?" Currently, there are 2,100 Music and Theatre Arts students in the curriculum, and approximately 450 of them are involved in Theatre Arts. It makes Olmos grateful that such people exist in an Institution "thriving on scientific advancement." Still, he was cautioned by a faculty member not to make such a Hollywood analogy to the science occurring at MIT, as it was also proceeding forward in a combination of baby steps and big leaps.

Olmos spoke about everything from his time as the youngest professional baseball



Miodrag Cirkovic—THE TECH

Actor Edward James Olmos, portrayed in the 1987 movie *Stand and Deliver*, spoke to MIT Theater Arts students in a casual conversation Monday afternoon.

player in California, complete with a demonstration of a fastball pitch. "If you can't see the ball, you can't hit it. I could see it," he said, comparing his experiences as a baseball player to the training of the Jedi Luke Skywalker in *Star Wars*. He also spoke about many of the acting techniques he used in his movies, such as the importance of keeping a bible on one's character in order to determine three very important topics: where the character is coming from, exactly where he is now, and where he is going to.

Both of the above topics were tied together with one of his main themes of the evening: discipline. "Discipline to do the things you love and you don't feel like doing will make you the best that you can be," he said. When he was a baseball player, he practiced for hours on end until he had his game down perfectly. As an actor, he worked on *Zoot Suit* for fourteen years, seven days a week without any break until the movie was to his standards. "I spend one year of total study to get that guy, and I can only mimic him about ten percent," says Olmos, referring to the character of Escalante. Discipline and a dislike of material things are some of the main reasons that he has made movies like *Stand and Deliver*. To him, there are no rules as to what happens to someone after they are successful, no classes instructing how to live with it. People are taught to struggle for success and not how to deal with it once one has it. As a result, many of them disappear because they have overdone life at too young an age. "I've been acknowledged," he concedes, and he is happy with it.

In the chicano community, Olmos is revered mainly because he understands the community's situations and their lives. For one thing, he knows how important family is. When asked about what he does when he is not on the screen or on TV, he replied: "I share my life with others more than anything else."

He has five children: three are adopted, and two are biological, and he dares anyone to tell them apart. He adopted children because of his mother adopted as well.

Although he grew up in East L.A., which is often considered a Mexican enclave, he called the place where he grew up a true gift because it was a place of great diversity. He did not think of it as a melting pot where everyone melded together and lost their identity. Despite the fact that everyone had different cultures, there was a sense of balance that people right now are either only starting to understand or have not comprehended yet. In a way, everyone there was part of his family.

Desiree Ramirez '02, president of Lucha, supports Olmos' emphasis on the unity of family. In the United States, Hispanics are the largest minority group, and at MIT they make up 5.8 percent of the student population. Ramirez feels that Lucha is one of the few families that many of these students have, and the fact that MIT currently has only three Chicano faculty members is a huge discrepancy. It is important to her that there be more people on campus who can understand the type of working class backgrounds that students come from. That is one of the main reasons students like her are grateful for speakers like Olmos who are older and carry more clout in the community. "He is the forerunner of Latino spokespeople ... we have hopes that MIT will listen to him; this is how important these talks are. He is an advocate for us."

Olmos is currently involved in several projects: "We are storytellers. That is exactly why we are in the business — to tell stories." Although acting is his trade, bringing people together is one of his passions as well. "Race has been mixed up too often with culture. There is only one race — and that is the human race. What makes us all the same is that we are all different."

## Biology Lounge Debuts



By Aaron Mihalik  
ASSOCIATE FEATURES EDITOR

Here's a nice surprise for all of the Biology undergrads: a new lounge is opening in building 68 exclusively for you. The lounge, located at 68-145, is a first for Course 7 students and will serve as a place for tutoring, studying and socializing.

"It's brand new," said Elaine Y. Wan '01, Biology Undergraduate Students Association Co-President. "The biology department was generous enough to give up some space to let undergraduates use it for a place to communicate, socialize and study."

The new department head, Robert T. Sauer, "thought that the students deserved a lounge," said Susan Fitzgerald, the Biology course secretary.

One purpose for this lounge is to "increase the communication between biology undergrads," said Wan. The lounge will improve the "unity and communication within the department." Also the lounge "could be used as a tutoring room or a place for undergraduates to take a break."

Before this, the Biology department didn't have an adequate lounge: "At one point they had a room in the basement of building 56," said Fitzgerald. "But it was a really awful room."

The lounge fills two rooms in Building 68. The first room features with couches, tables, bulletin and dry erase boards. The second will have several Athena workstations and bookshelves. The resource material in this lounge includes various magazine subscriptions, course "bibles", and textbooks, and information on graduate school programs.

The department will celebrate the lounge's opening on Wednesday at 11 a.m. with a student-faculty social.

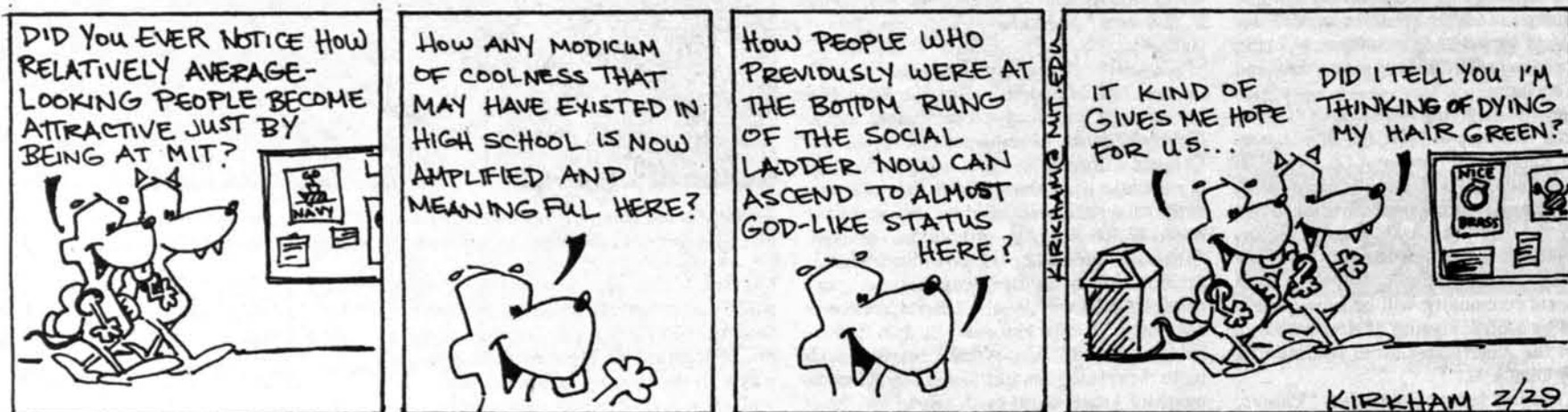


Garry Maskaly—THE TECH

A new lounge for biology undergraduates will open on Wednesday.



## the crass rat



## Xippo's Courseload

SOLAR C. OLUGEBEFOLA



## INSTITUTE MADNESS!

ALISON WONG



## @edu



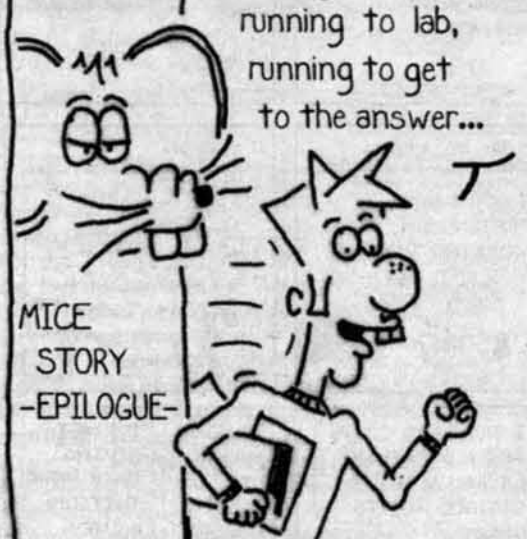
TO BE CONTINUED...



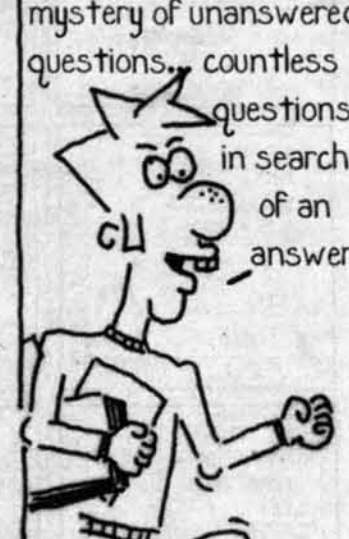
BARIS YÜKSEL

running to class,  
running to lab,  
running to get  
to the answer...

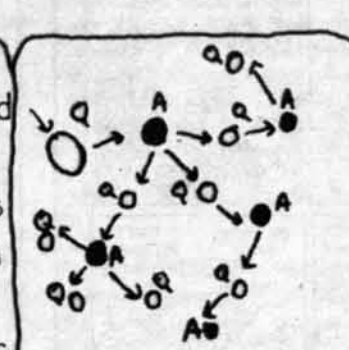
MICE  
STORY  
-EPILOGUE-



running to solve the  
mystery of unanswered  
questions... countless  
questions  
in search  
of an  
answer.

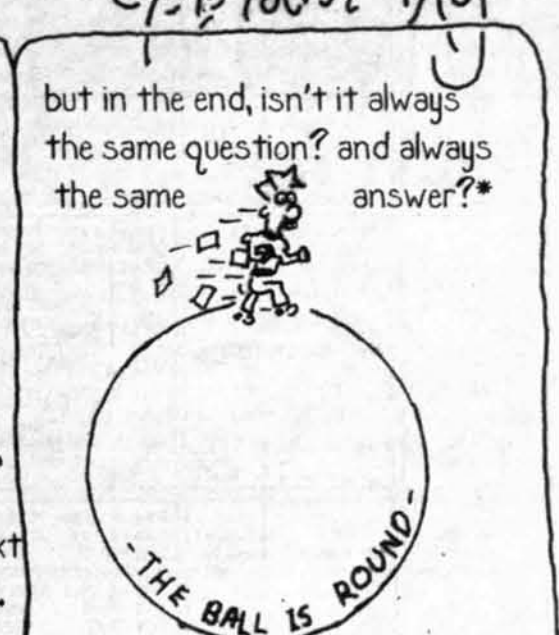


an answer will give  
rise to a new question,  
and the next answer  
will give rise to the next  
question, and so on...



Generation iMo

but in the end, isn't it always  
the same question? and always  
the same answer?\*



\*watch "Run Lola Run"...

reader's warning: the following  
drawn strip is only sometimes  
funny, thus the title...

S  
A  
L  
C  
A  
A  
I  
C  
N  
M  
C  
O  
O  
O  
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C

LOST IN A CROWD  
I ALWAYS WONDER IF THERE'S MORE  
TO THE HUMAN EXPERIENCE  
THAN THIS...



WOULDN'T YOU THINK THAT ALL THESE PEOPLE  
WOULD LIKE DANCING AT RANDOM,  
LAUGHING AT NOTHING  
AND DRINKING MANGO JUICE?



OR AM I THE ONLY ONE?



MATTHEW MONAGHAN/DOUG BRIS

Fun with Clip Art  
Aaren Isaksen (aisaksen@mit.edu)



"I know one happy farmer  
who ain't gonna be lonely  
tonight!"

POETRY CORNER

One World For Sale

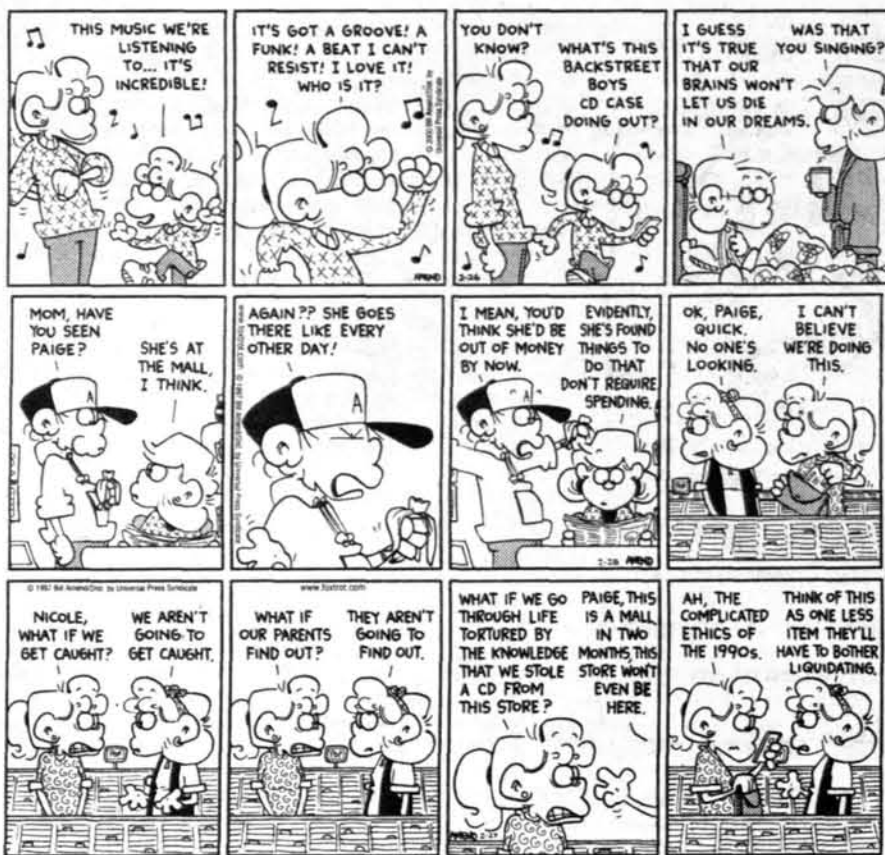
what do we have here it seems  
one world for sale  
to be snatched up by eager fingers with too many rings  
purchased by ambitious dreamers,  
laughing children with fluttering wings,  
fat men with blank eyes in dark suits, in fact  
anyone with a face to the future  
it comes slightly used, also with rusted dents  
has worn corners eroded by salty rain,  
pre-filled with frustration and  
stress completely free of charge,  
so buy now get complimentary broken hopes  
transformed into soaring new dreams  
with a high price to pay  
maybe too high,  
it lightens already too light purses  
but makes no dent in thick wallets  
costs a gangly arm, a crippled leg, a troubled life or so,  
satisfaction guaranteed...

...or maybe it's not.  
By Vanessa Cheung

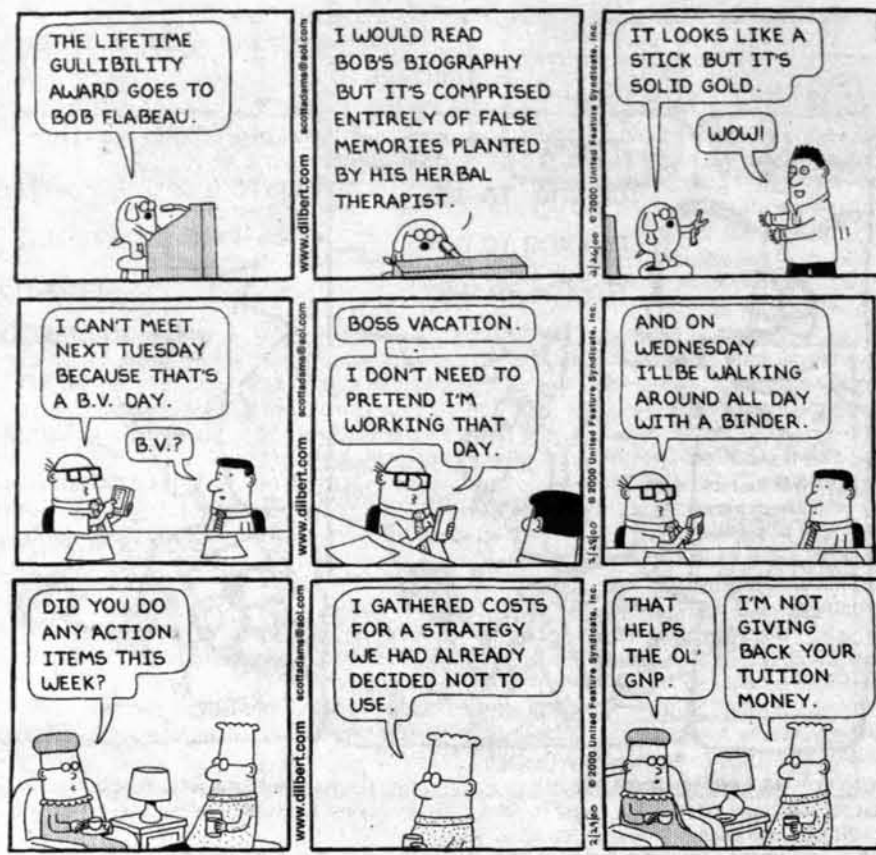
The Poetry Corner is a new weekly fea-  
ture which engages the MIT community  
in the art of poetry. Students, Faculty  
and Staff are welcome to submit their  
work to <poetry@the-tech.mit.edu>.



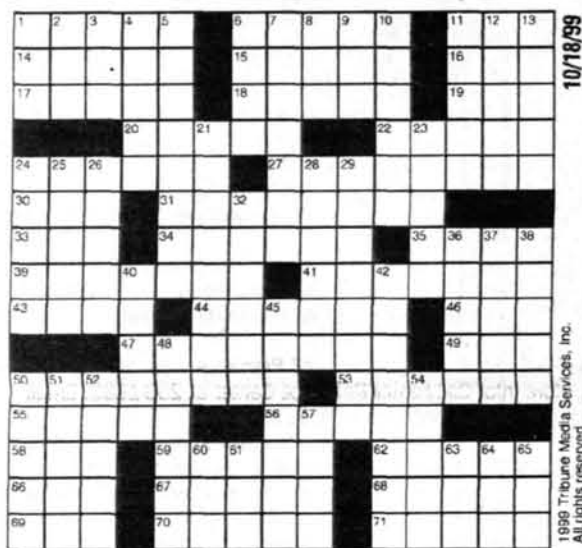
FoxTrot by Bill Amend



Dilbert by Scott Adams



Crossword Puzzle



10/18/99  
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- ACROSS
- 1 MacDill AFB location
  - 6 Braid
  - 11 Tax grp.
  - 14 Vehicular 180
  - 15 Sri
  - 16 a chance!
  - 17 Start
  - 18 Up to now
  - 19 Ms. Thurman
  - 20 Groups in groups
  - 22 Burglar
  - 24 Friendliness
  - 27 Choose not to
  - 30 Exist
  - 31 Tool in a trunk
  - 33 Author Deighton
  - 34 Come forth
  - 35 Domesticate
- DOWN
- 1 Bathroom fixture
  - 2 Lunched
  - 3 Sturdy cup
  - 4 Color-full device?
  - 5 Funicello and O'Toole
  - 6 Builder's map
  - 7 Cowboy, at times
  - 8 Whatever
- 39 Israel's parliament
- 41 Type of cat
- 43 Window part
- 44 Make less dense
- 46 Sch. near Harvard
- 47 Stirred from sleep
- 49 Compass pt.
- 50 Thickened areas of skin
- 53 More embarrassed
- 55 Loafer
- 56 Painter Matisse
- 58 Brewed beverage
- 59 Unbelievable bargain
- 62 Biggie of baseball street?
- 66 Nightmare
- 67 Waterproof covers, briefly
- 68 New York city
- 69 of Galilee
- 70 Joyride
- 71 Funeral piles
- 9 Candidate to like?
- 10 Pipers' performance
- 11 Eskimo
- 12 Juliet's beau
- 13 Support crew
- 21 Imaginary monsters
- 23 Seeks prev
- 24 Strolls
- 25 Showplace
- 26 Descartes and Auberjonois
- 28 Farm enclosure
- 29 Woody plant
- 32 Capture back
- 36 Set sights
- 37 Bangor's state
- 38 Penetrate
- 40 Flaky, layered rock
- 42 U.S. vs. Europe golf event
- 45 Mold anew
- 48 German sausages
- 50 Quotes as an authority
- 51 Ms. Astaire
- 52 Andes animal
- 54 Soiled
- 57 Ultimatum word
- 60 Faucet
- 61 Make a blunder
- 63 Show on TV
- 64 Chill
- 65 Xenon, e.g.

Solutions, page 8



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in  
association  
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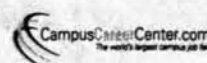
mybytes.com.  
It's my Web.

scoreBIG  
scoreOFTEN  
Sweepstakes



presents a  
**COMPLIMENTARY  
ADVANCE  
SCREENING**  
**Wednesday,  
March 8**

also  
sponsored  
by...



8:00pm @ 26-100

Free passes available in Lobby 16 at 6PM  
the day of the show.

Passes required. Seating is limited  
and not guaranteed. Please arrive early.





# TechCalendar

Visit and add events to TechCalendar online at <http://tech-calendar.mit.edu>

## Tuesday's Events

12:10 p.m. - **GABLES Monthly Lunch.** A social get-together of the MIT Gay, Bisexual, and Lesbian Employees and Supporters group. Contact David Fitzgerald at 258-0235 or dfitz@mit.edu for more information about this month's lunch. To be announced. Sponsor: GABLES.

1:00 - 4:00 p.m. - **ATIC Lab Open House.** The Adaptive Technology for Information and Computing (ATIC) Lab will hold an Open House in Room 11-103 from 1-4 PM on Tuesday, February 29. Admission 0. 11-103. Sponsor: ATIC Lab.

12:00 p.m. - **The Adoption Process, Joan Clark, Open Door Society of Massachusetts.** Open. More info: Call Family Resource Center at 253-1592. Email frc@mit.edu. Web: <http://web.mit.edu/personnel/www/frc/>. Rm 16-151.

12:00 p.m. - **Edward James Olmos: "The Nature of Community: We're All in the Same Gang."** Edward James Olmos, actor/director/activist. Alan Katzenstein Memorial Lecture on the imperative of creating an inclusive culture in an increasingly diverse, fragmented world and how to strengthen and grow by embracing our differences. Open. More info: Call Holly Kosisky at 253-8089. Wong Auditorium (E51).

12:00 p.m. - **Light-Bound Matter in a New Light: From Monochromatic to Bichromatic Optical Lattices, Axel Goerlitz, MIT.** Refreshments served following the seminar. Please see [web.mit.edu/spectroscopy/www](http://web.mit.edu/spectroscopy/www) for more detail. Open. More info: Call Alison Hearn at 253-4881. Email [hearn@mit.edu](mailto:hearn@mit.edu). Web: <http://web.mit.edu/spectroscopy/www/>. Rm 37-252.

12:00 p.m. - **Science, Discipline, and Money: Mines and Mining Officials in Early Modern Central Europe, R. Andre Wakefield, Dibner Institute Postdoctoral Fellow.** If you plan to attend, call 253-6989 or send an email: [dibner@mit.edu](mailto:dibner@mit.edu). Open. More info: Call Trudy Kontoff at 253-6989. Email [kontoff@mit.edu](mailto:kontoff@mit.edu). Rm E56-100.

2:30 p.m. - **Does Stretching affect Adhesion, Cuprien Gay, Laboratoire CNRS, FRANCE.** Refreshments will be served at 3:30 PM in Room 2-349. Open. More info: Call John Bush at 253-4387. Email [bush@math.mit.edu](mailto:bush@math.mit.edu). Rm 2-338.

4:00 p.m. - **A NOVEL SNOWMAKING PROCESS: THEORY, DESIGN AND POTENTIAL APPLICATIONS, Dr. Moshe Alamaro, Dept. of Earth and Planetary Science, MIT.** Open. More info: Call Donna Wilker at 253-2021. Email [dwilker@mit.edu](mailto:dwilker@mit.edu). Rm 5-234.

4:00 p.m. - **O-1 Laws for Single Molecules, Bud Mishra, Courant Institute, New York University.** A short reception will follow in the Osborne Room (35-338). Open. More info: Call soosan beheshti at 253-2832. Email [soosan@mit.edu](mailto:soosan@mit.edu). Rm 35-225.

4:00 p.m. - **CDMA-HDR: High Efficiency High Speed Wireless IP Solution the Internet Unleashed, Butch Weaver, Qualcomm.** Refreshments in Room 34-101 at 3:30 p.m. Open. More info: Call Debroah Hodges-Pabon at 253-5264. Email [debb@mtl.mit.edu](mailto:debb@mtl.mit.edu). Web: <http://www.mtl.mit.edu/>. Rm 34-101.

4:30 p.m. - **Tortured Confessions in Modern Iran?, Prof. Ervand Abrahamian, Dept of History, Baruch College.** The Emile Bustani Middle East Seminar. Open. More info: Call Julianne Stilwell at 253-8961. Email [stilwell@mit.edu](mailto:stilwell@mit.edu). Rm E51-095.

4:30 p.m. - **Active Control of Tip Clearance Flow in Axial Compressors, Mr. Jinwoo Bae, MIT-Gas Turbine Laboratory.** Refreshments served 4:15pm. Open. More info: Call Lori Martinez at 253-2481. Email [dragonl@mit.edu](mailto:dragonl@mit.edu). Rm 31-161.

6:30 p.m. - **Engineering a 3-D Jigsaw: An Assembly Building for the New Mayor of London, Group presentation by Ove Arup Partners, London, Architecture firm.** Architecture Series Lecture with Shen Chui, Sara McGowan, Simon Morley, Andy Pye, Ed Tricklebank, and Malcolm Turpin. Open. More info: Call Dept of Architecture at 253-79919. Rm 10-250.

## Wednesday's Events

12:00 - 1:00 p.m. - **Compton Gallery Talk.** Susan Gamble and Michael Wenyon discuss their exhibit, "Observing the Observers," on view Feb 18-May 6. Admission 0. Compton Gallery. Sponsor: Office of the Arts.

4:00 p.m. - **A Dialogue with Composer Libby Larsen Plus Performances.** Works for solo clarinet, solo trumpet, soprano w/piano & chamber chorus. Performers include Evan Ziporyn, Margaret O'Keefe, Charles Shadle & William Cutter. Admission 0. Lewis Music Library. Sponsor: Office of the Arts.

8:00 p.m. - **"Window to Paris."** Directed by Yuri Mamin (1994). Ctr for Bilingual/Bicultural Studies/Intl Film Club "Where East Meets West" series. Refreshments served. Admission 0. Rm 4-237. Sponsor: Office of the Arts.

11:00 a.m. - **Modulation Formats and Coding for Long Optical Links, Andrej Puc, Tyco Submarine**

TechCalendar appears in each issue of *The Tech* and features events for members of the MIT community. *The Tech* makes no guarantees as to the accuracy of this information, and *The Tech* shall not be held liable for any losses, including, but not limited to, damages resulting from attendance of an event. Contact information for all events is available from the TechCalendar web page.

**Systems.** On March 1, on this Date only, Lecture will be held in 36-428 (RLE Conference Room).

Open. More info: Call Erich Ippen at 253-8504. Email [ippen@mit.edu](mailto:ippen@mit.edu). Rm 36-RLE Conference Room.

12:00 p.m. - **Plutonium Processing, Dr. Allison MacFarlane, BCSIA Science, Technology & Public Policy Program, Harvard University.** Bag lunch; refreshments will be provided. Open. More info: Call Lynne Levine at 253-0133. Email [llevine@mit.edu](mailto:llevine@mit.edu). Web: <http://web.mit.edu/ssp/>. Rm E38-615.

3:00 p.m. - **tba, Dr. Al Sacco, Northeastern University, Department of Chemical Engineering.** Lecture - open to all interested. 4:00 to 5:00pm: Discussion - open to registered students only. Location for Annual Public Lecture to be announced soon. Open. More info: Call Helen Halaris at 258-5546. Email [halaris@mit.edu](mailto:halaris@mit.edu). Web: <http://web.mit.edu/masgc/www/phasel.html>. Rm 37-212.

## Thursday's Events

12:00 p.m. - **Chapel Concert: John Whittlesey, baritone and James Busby, organ/harpsichord.** J.S. Bach's Cantata No. 83 (Ich habe genug); André Campra's Exultabo te; Virgil Thompson's Pana Lingua and Love Song. Admission 0. MIT Chapel. Sponsor: Office of the Arts.

8:00 - 10:00 p.m. - **Kendo Practice.** Come learn the Japanese art of swordfighting under the instruction of sensei Junji Himeno, 7th dan from Harvard. No experience is necessary. Du Pont Gym, Court 2. Sponsor: MIT Kendo Club.

8:00 p.m. - **Talk by Jane and Louise Wilson.** Talk by the artists of two major video installations, Stasi City and Crawl Space (List Visual Arts Center, Jan 27-April 9). Admission 0. Rm 10-250. Sponsor: Office of the Arts.

12:00 p.m. - **Understanding Attention and Learning Problems, Jerry Schultz, The Learning Lab @ Lesley College.** Open. More info: Call Family Resource Center at 253-1592. Email [frc@mit.edu](mailto:frc@mit.edu). Web: <http://web.mit.edu/personnel/www/frc/>. Rm 16-151.

4:00 p.m. - **Generating Partial and Multiple Transversals, Leonid Khachiyan, Professor of Computer Science, Rutgers University.** Seminar followed by refreshments in E40-106. Open. More info: Call John Hollywood at 253-6185. Email [jshollyw@mit.edu](mailto:jshollyw@mit.edu). Web: <http://web.mit.edu/orc/www>. Rm E40-298.

4:00 p.m. - **Thoughts on water vapor feedback and climate sensitivity, Isaac Held, GFDL (Princeton).** Open. More info: Call Tieh Yong Koh at 8-6910. Email [yong@mit.edu](mailto:yong@mit.edu). Web: <http://www-paoc.mit.edu/MASSseries.html>. Rm 54-915.

4:15 p.m. - **RECENT ADVANCES IN SPRAY MODELING FOR COMBUSTION APPLICATIONS, Dr. David Schmidt, Sloan Automotive Lab.** Refreshments served at 4:00 p.m. Open. More info: Call Susan Lutin at 253-4529. Email [susanl@mit.edu](mailto:susanl@mit.edu). Web: <http://engine.mit.edu>. Rm 31-161.

5:00 p.m. - **Youth in a Digital Era, Jon Katz, Journalist.** Jon Katz, journalist and author of *Geeks*, and Henry Jenkins of MIT will discuss how the shootings in Littleton, Colorado generated deeply revealing attitudes toward teen agers and digital media. Open. More info: Call Chris Pomiecko at 253-3599. Email [cpomiecko@mit.edu](mailto:cpomiecko@mit.edu). Web: <http://mit.edu/cpomiecko/www/home.html>. Bartos Theater.

## Friday's Events

8:00 p.m. - **Ken Zuckerman, sarod.** With Anindo Chatterjee, tabla. Presented by MITHAS (MIT Heritage of South Asia). \$15, \$12—MITHAS & New England Hindu Temple members, students & seniors; \$10—MIT students. Killian Hall. Sponsor: Office of the Arts.

8:00 p.m. - **MIT Guest Artist Concert. The Miami String Quartet.** Mozart's Quartet in D Major, K. 575; Ginastera's Quartet No. 1 for Strings, Op. 20; Schubert's Death and the Maiden. Admission 0. Kresge Auditorium. Sponsor: Office of the Arts.

9:00 p.m. - 1:00 a.m. - **Coming out the Darkness.** The Party and Stepshow. Enjoy Hip Hop, R&B, Dancehall Reggae, and Soca at the Party by DJ FunkLab and Enjoy the Groove Steppers. All lovers of the music are invited. Come dressed to impress. La Sala de Puerto Rico. Sponsor: Groove Phi Groove Social Fellowship, Inc.

12:30 p.m. - **Preparing for a Baby, Part I, Betsy Ross, A2Z Psychotherapy.** Preregistration is required; call x3-1592. Open. More info: Call Family Resource Center at 253-1592. Email [frc@mit.edu](mailto:frc@mit.edu). Web: <http://web.mit.edu/personnel/www/frc/>. Rm 16-151.

4:00 p.m. - **Theory and applications of dc fields in geoenvironmental restoration, Akram Alshawabken, Northeastern University.** Refreshments at 3:30 pm. Open. More info: Rm 1-350.

4:15 p.m. - **Alternating Sign Matrices and Beyond, Part II., James Propp, University of Wisconsin.** Refreshments will be served at 3:30 PM in Room 2-349. Open. More info: Call Michael Kleber at 253-7905. Email [kleber@math.mit.edu](mailto:kleber@math.mit.edu). Web: <http://www-math.mit.edu/~combin>. Rm 2-338.

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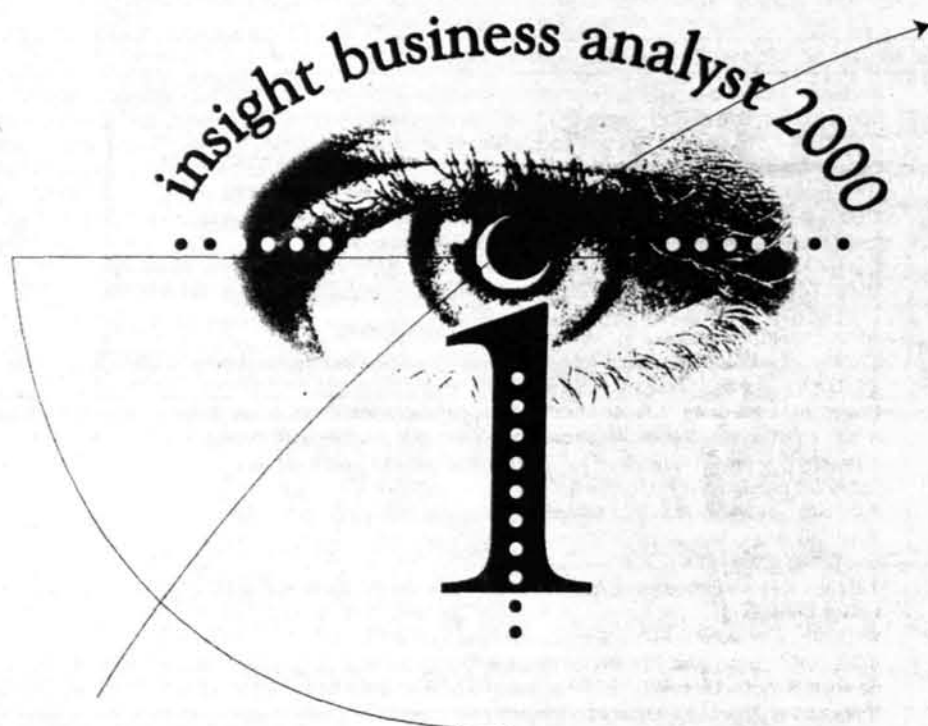


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| What is the program ?      | The program is structured around informal monthly dinners accompanied by presentations or excursions. Presentations may be given by faculty members, MIT artists -in-residence, fellow students or Boston-area artists |

Application forms are available at 3-234 and E15-205  
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For more information

call 253-4005 or email [cohen@media.mit.edu](mailto:cohen@media.mit.edu)



# Athletics Complex To Be Constructed

Athletics, from Page 1

located near the existing Johnson Athletics center on west campus.

"Hopefully by fiscal year 2001, we will begin digging the hole for that wonderful new facility," Hill said.

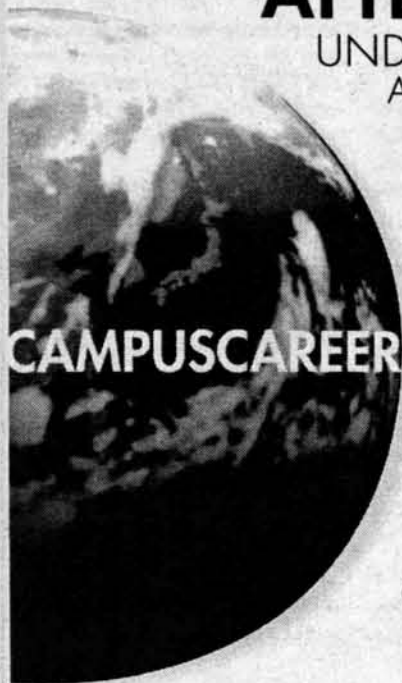
Williams stated that the choice in building the new athletic complex is "not really yes or no, but when."

Hill also emphasized that it is important to open channels of

communication between students and administrators. "We have a way to go regarding our communication efforts. We will continue to work hard on that," he said.

The forum, organized by the Undergraduate Association subcommittee on athletics, included panelists such as Dean for Undergraduate Education Rosalind H. Williams, Dean of Student Life Margaret R. Bates along with Hill, Benedick, and Brewer.

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mate, Ted, seemed  
particularly full-  
filled....

Why so happy, Ted?

I just got  
funding for my  
video project!

Wow!  
How did that  
happen?

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for the Arts  
at MIT Grants  
Program!!

I stopped by E15-205,  
the Office of the Arts.

Just fill in this  
application and supply  
some supporting  
material....

How about my resume?  
And, letters of  
recommendation?..

About one month after the dead-  
line, it was time to meet with a  
member of the Council to talk  
about my project.

I brought a tape  
of my work and those  
updated budget  
figures you  
asked for!

My site visit with a Grants  
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relevance for MIT  
students....

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# MIT Professors Blast Deutch

By Kevin R. Lang  
NEWS EDITOR

While presidential hopeful John McCain has clearly dominated national headlines in recent weeks, Institute Professor John M. Deutch '61 might be running a close second.

New developments and continuing controversy over alleged breaches of security have made Deutch a front page regular across the country. Deutch stepped down from his post as director of the CIA in December 1996.

Recently, *The Boston Globe* reported on MIT faculty and their thoughts on Deutch ["Back at MIT, Former CIA Chief Draws Criticism," February 26, 2000]. Comments ranged from staunch defense to harsh criticism of both his security lapses and character.

Current Provost Robert A. Brown defended Deutch in the article, saying that he didn't think "this situation is interfering with John Deutch's duties as a professor at MIT."

## Globe casts Deutch in negative light

In the decidedly negative article, the *Globe* referred to Deutch as a "notorious figure" at MIT.

The article featured harsh criticism from Theodore Postol '67, Professor of Science, Technology and National Security Policy in the Science, Technology, and Society program.

"I have very strong negative feelings about what Mr. Deutch did with this classified material," Postol told *The Tech*. He criticized Deutch for potentially endangering the lives of covert agents and intelligence sources and his methods of gather-

ing information. Postol also referred to Deutch's "reckless disregard" for national security.

Postol said he was troubled by the fact that alleged Chinese spy Wen Ho Lee is being held without bail for improper handling of classified material, while Deutch has only had to deal with media scrutiny. Postol said that it was "not obvious" whether Deutch or Lee had mishandled more sensitive materials.

## MIT remains uninvolved

In the *Globe* article, Postol said that "there's a real problem with integrity at the top of the administration here ... I doubt the institution will do very much." Institute officials have said they will not take any disciplinary action against Deutch.

However, Postol said that his quote was taken out of context.

"I think that it's very important to not mix up the question of potentially criminal activity and the professional position of a faculty member," Postol said.

Postol emphasized that his feelings have nothing to do with Deutch's standing at MIT.

"I would oppose any action on the part of MIT unless he gets charged and convicted," Postol said. "I think that due process is a very important feature in our society."

"If he's charged at some point and found guilty," MIT should review the situation, Postol said. Until then, "MIT should really have nothing to do with this."

## Faculty disapproval nothing new

Postol thought that other faculty members quoted in the *Globe* article

were not as upset with Deutch's CIA troubles as they were with his actions as Provost.

"I would say that there are many members of the faculty that have not been happy with John Deutch well before the security issues came up," Postol said. "It's caused him to be scrutinized in public, and people have made comments ... I just shared my views frankly."

Professor of Biology Jonathan A. King criticized Deutch's lack of accomplishments in chemistry. King could only be reached briefly, but he alluded to Deutch's involvement in the decision to shut down the Department of Applied Biological Sciences.

He referred to the decision as a "debacle."

Other faculty quoted in the story could not be reached for comment.

## Housekeeper knew alarm codes

In addition to the *Globe* coverage, *The Washington Post* reported yesterday ["But Did She Do Windows?" February 28, 2000] that while Deutch was director, his housekeeper was given the deactivation code to his home alarm system. It has not been revealed whether Deutch or the CIA gave the code to his housekeeper, then a non-citizen.

The Agency's Inspector General reported that the housekeeper was "permitted independent access to the residence while the Deutchs were away," and that "CIA security database records do not reflect any security clearances being issued to the alien."

The deactivation code reportedly allowed access to a closet in Deutch's study which held a safe containing documents.



GREG KUHNEN—THE TECH

Gus Spurling (left) and Sam Rothenberg work on their creative "mouse" Lego car design as part of the MIT Museum's F.A.S.T. Sunday Lego Rally. The Museum's monthly F.A.S.T. program (Family Adventures in Science and Technology) offers parents and children the opportunity to participate in interactive science projects.

# FSILGs Host Spring Rush Events

By Mike Hall  
ASSOCIATE NEWS EDITOR

MIT's fraternities, sororities, and independent living groups are holding mid-year rush events to increase their numbers in preparation for the 2001-2002 school year, when all freshmen will be housed on-campus.

## Events part of IAP, spring rush

Sigma Phi Epsilon held a series of information sessions in West Campus dormitories at the start of the spring term. "Most of them turned out very well," said SigEp rush chairman Jesse H. Davis '02. Following the sessions, SigEp extended six bids, one of which has been accepted so far.

Sigma Nu held rush events during IAP, inviting prospective to a dinner at TGI Friday's on Newbury Street. Sigma Nu rush chairman Jason G. Skalski '02 said that future rush plans would include small rush events like the dinner.

"We've found that specific contacts work much better than a mass postering campaign" for rush events, Skalski said, adding that Sigma Nu plans to hold additional events during the IFC's scheduled spring rush from April 21st to April 23rd.

Other FSILGs are extending their rush activities well into the Spring 2000 term. Last week, Phi Beta Epsilon held nightly dinners to give prospective pledges a chance to interact with the brothers.

The Women's Independent Living Group plans a similar series of dinners beginning March 5th.

"We'd like to invite any interested freshmen to come over and see

what our house is like during the term and get to know the people who live here," said Marlene R. Cohen '01 and Katherine S. Graham '01, WILG rush chairs.

## FSILGs plan for CPW

Many houses are also planning activities for April's Campus Preview Weekend. For the second year, Campus Preview Weekend will be open to all accepted applicants. Prior to 1999, attendance at Campus Preview Weekend was limited to women and minorities.

SigEp plans to use its successful information sessions as the basis of a year-round recruitment program. Davis said that SigEp's "Membership Development" program is a perfect fit for year-round rush.

"The second [a rushee] joins, he's a brother," said Davis. After

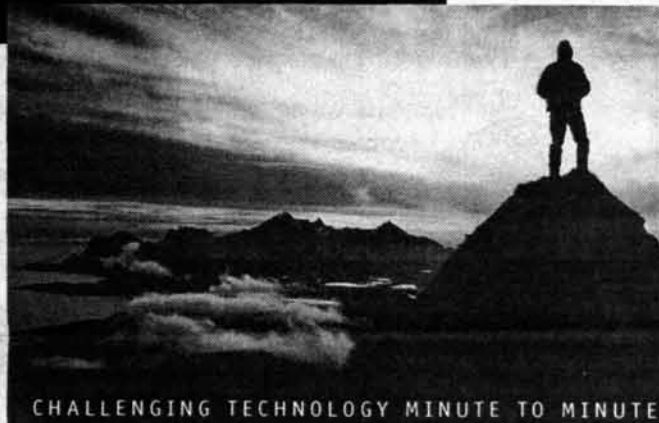
pledging, new members proceed through a three-part development program, including community service, introduction to the Interfraternity Council, and learning about the brotherhood.

Davis said that SigEp's program hopes "to lead by example ... [it's] not oriented towards doing stupid stuff at 3 a.m."

In 1999, FSILGs pledged 386 residential members, the highest number in four years. Twenty-two freshmen left FSILGs and moved into on-campus dormitories by the beginning of the second term, with seven moving into FSILGs during the fall and IAP. Residence numbers came from Phillip M. Bernard, manager of Undergraduate Residential Services and excludes members of Sigma Alpha Epsilon, which was disbanded by MIT last fall.

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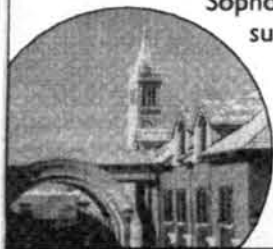
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COMING SOON



# Okawa Funds Media Lab Annex

By Matthew F. Palmer  
ASSOCIATE NEWS EDITOR

The Media Laboratory's new annex, scheduled to open in 2003, will almost double the size of the research center and will house the new LEGO Learning Lab.

The new seven-story building will be connected to the existing Media Lab, located on Ames Street, and will contain approximately 100,000 total square feet in laboratory and conference space, according to a Media Lab press release.

The new lab should ease the space crunch at the Media Lab. "We're running out of space," said Alexandra Kahn of the Media Lab Press Office said. "We took closets down."

The annex will be called the Okawa Center after Isao Okawa, Chairman of the Japan-based CSK Corporation, who gave a private donation of \$27 million for the building. His donation will go toward building labs for researching technologies to help children.

The Okawa Center "will contin-

ue our work with children and learning and the role of technology," Kahn said.

The Media Lab annex was designed by the Tokyo-based Maki and Associates architectural firm.

## LEGO Lab continues partnership

The center will also include the LEGO Learning Lab, which is the result of a \$5 million investment by the popular toy manufacturer.

The LEGO Learning Lab is another development in a 15-year partnership between LEGO and the Media Lab, Kahn said. The two also collaborated on "Mindstorms," a line of programmable and buildable toy blocks, which was released two years ago.

Professor Mitchel J. Resnick, who was endowed as a LEGO Papert Professor of Learning Research last February, describes the "Mindstorms" toys as "a new generation of construction. Toys become active and reactive to the world."

The product line has grown to

include light and temperature sensors, as well as robotics and "Star Wars" themed kits, according to a LEGO press release.

## Intel, Lab to build learning centers

Yesterday, Intel formally announced plans to build 100 new Computer Clubhouses worldwide in conjunction with the MIT Media Lab.

The Clubhouses are after-school learning centers where underprivileged children "use computers to learn, create, and design," said Resnick, who helped to set up the Computer Clubhouse Network.

The Media Lab and the Boston Museum of Science created the first Computer Clubhouse in Boston in 1993.

There are now 15 such centers, located nationwide and in Columbia and Germany, according to the Computer Clubhouse web site. Students aged 10 to 18 work on a variety of computer projects, with the help of adult mentors trained in art, science, education, or technology.

# Institute to Determine MIBR Site

Brain Research, from Page 1

tor for planning information, said that the new building will probably open by 2004 or 2005, and it will be located "on the east side of campus, close to the Medical Center."

Finding a suitable location could be difficult given the city's prevailing anti-development stance. The recent Larkin petition, for instance, prohibits such a large building from being constructed in a large area east of Main Street.

Planning officials are currently looking into "how big the building should be [and] how many faculty will be in building," Snover said. The new structure "will have to be an efficient building, more like the Biology building than the Stata Center," she said.

McGovern's gift is independent

of MIT's ongoing 1.5 billion dollar capital campaign and is not tied to corporate research such as the recent Microsoft I-Campus project.

The gift bears "no direct relationship" to International Data Group, the computer publishing business that McGovern founded, he said. Indirectly, the center could aid the understanding of how the brain processes information and help the publishing company transmit information more effectively, he said.

MIT was chosen as the site of this new center in a selection process that considered a number of universities including Stanford, Cal-Tech, and the University of California at Berkeley. Schools submitted proposals which were evaluated by a committee.

McGovern said that he was

"delighted that MIT, on its own merits," presented the best proposal. He cited MIT's excellence in the field of cognitive sciences and its cross-disciplinary environment as deciding factors.

McGovern's gift will be presented to MIT as a series of \$5M cash payments each year for twenty years. The payments will increase each year according to the Higher Education Cost Index, which, like the Consumer Price Index, tracks change in the cost of selected goods and services from year to year but is tailored to higher education.

In the twentieth year, McGovern will make a payment equal to 20 times the inflation adjusted payment for that year.

Naveen Sunkavally contributed to the reporting of this article

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### Information

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**Volunteer Opportunities: Youth Venture** Youth Social Entrepreneurship Organization is seeking assistance in several area, including mentoring, advocacy, training and administration. For more info contact Todd DeAngelis @ (617) 695-2434 or e-mail: [tdeange@aol.com](mailto:tdeange@aol.com)

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